



KchIP1 genomic DNA (Build 33 Chr5: 169716198 – 170098453)

aggagatggg	tggagagagg	gagggagagt	ttgccctgca	ggctctctgg	169716247
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gcttcaggg	gtgcattccgt	cactcagggg	tcattcaccc	aggcaggctc	169716347
caagttcctg	gggtgcacaa	gggtgggca	gtcccttctg	gggtgctgaca	169716397
gcagagcctg	gctcccctcc	gccaccatga	gctggctgctc	caaaagatgc	169716447
aagcttgggt	tcgtgaaatt	tgcccagacc	atctttaagc	tcatactagg	169716497
gacctcagc	aaaggtatgg	aaactggcct	tgaccttgct	tttctgtctt	169716547
gatattggcct	ggctggctgc	attgcctcgg	tgtgggtgagc	gtgaccattc	169716597
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agggaaactca	gctggctgta	attgcctgga	acttttgaaa	tggagttggt	169716747
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gagcattgga	agtggcttag	cgtgactgga	gtttcaagaa	gttatccatg	169716847
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gaaaggctat	atgcagccag	atctcatgac	atggctcagg	tgcccggccac	169717597
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aatttcacaa	agtctcccca	ttcaatcctc	agagacagct	ggaaggtttt	169717947
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gcaaccatt	gcagcctctc	atggagggt	tgtccccacc	tgagctctag	169718047
tggcgaccca	gacccacac	acagatgctc	cctggatgcc	acactgagtg	169718097
ctgagatggg	ggaatcatgg	gggtcaacag	gcataagaaa	gagatgtctg	169718147
gggcagacta	aggagtgcct	ccaaacagtg	acatctaagc	tgagatgagg	169718197
agaggcaggg	ctgagaaggt	gggaggaagc	cgaagctgcc	agagggagca	169718247
acatcagagt	gttggcctct	gcaaggaacc	agctggagag	tcagaatgcc	169718297
tcctctctct	tgctcagaat	cccagaaact	aagatccatg	tgacacagaa	169718347
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tcctgtggcc	agggctcaga	gaggcagccc	atggcaggca	ccagggcagg	169718447
attgtgtctt	aaccgcatct	gtcttctttg	cttcagctcc	gcagagagga	169718497
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ggtgttctac	ccgatccagg	tgtttgctaa	atatttgcta	aatagtgagg	169718597
aacatgggag	cagggccagg	ctgggagcag	ggtagctgag	aaagccctgc	169718647
agagagtcca	gaaaacggct	ttctaattgt	tacacctccc	ctaggtggat	169718697

FIG. 1A

Docket No.: 2345.2049-005
Title: Human Type II Diabetes.....
Inventors: Inga Reynisdottir *et al.*
Replacement Sheet

ttagattcaa	ccctacatgg	atacattatg	attgcttaat	gattttctgat	169718747
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gcagtaatcc	aaccctcagg	agagggattt	ttctttgtcc	cttgacagaac	169718847
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atttactgtt	tcttaccagc	cttgcaaata	cctggggggac	aaggaggggtc	169718947
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ccatgccaga	aatccttctt	gccatttgtc	taagatgcca	gctagcccag	169719047
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gcaagctgag	tctgcagcct	ccagcctcca	gcctgcgtga	gcctccagcc	169719497
acgtaaaaca	ttcaggctgg	gtctgagctt	gcatagtgtc	tagggaaggg	169719547
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aaaccacgaa	tgcagtgagg	agcacagttg	gtttctagac	tgagacatcc	169719747
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FIG. 1B

Docket No.: 2345.2049-005
Title: Human Type II Diabetes.....
Inventors: Inga Reynisdottir *et al.*
Replacement Sheet

ctggaggtag	ggattgcaat	caccatttca	gcaggtaagg	aaactggggg	169721347
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FIG. 1C

Docket No.: 2345.2049-005
Title: Human Type II Diabetes.....
Inventors: Inga Reynisdottir *et al.*
Replacement Sheet

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FIG. 1D

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Title: Human Type II Diabetes.....
Inventors: Inga Reynisdottir *et al.*
Replacement Sheet

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tctccatggt	gccccaaactg	gtctcaaact	cctagggtca	agtgattggc	169726797
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aatgaatcat	atacgattat	aatcccctta	ctggaaaactg	tctccagtgg	169727047
tttcttgaca	catttagaat	taaatgcaga	ctcctctcag	tggcctgtga	169727097
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caccaaatac	ccccaggctc	tctccctcaa	ttcattcaaa	tccccctctg	169727197
cggttgccgt	ccctcctcat	ctccccaac	acattgccta	atgctgcctt	169727247
gcttttctgc	acagccctta	ctgctcctgc	aataatatta	cacatgtgtt	169727297
tgcttggtga	ttttaaatgt	tttaatggaa	aatgtctatg	tttaagggtat	169727347
acagtgtgat	gtcttgatac	acacatagat	aatggcctga	ttatcacagt	169727397
caagctaata	aacatatccg	tctcttttca	tagttacctt	tctgtgtatg	169727447
gtgagaacta	ctctcttagc	aaatttcaag	tatacagtgc	agtcttatga	169727497
actacagtct	ccttgctgtg	cattactcta	gagcttgttc	attctccata	169727547
gctgaaactc	tatacgcttt	ggccaacatc	tccgttattc	atthgtttat	169727597
gatccagctc	atccactaag	agtcgagctc	tgtgagggca	gggaattttg	169727647
cctggccttg	actacttccc	cagcacctgg	tgcagggcct	accacatggt	169727697
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gttaattaag	atagtcattc	ggcttctcag	gctaccatcc	taagaacagc	169727997
cctcctcagt	tctggagctg	gcgggccatt	tggttcatct	ttgatttggt	169728047
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tccagtgtgc	tctgctccat	tcagccaagg	ggctcctctg	ggagggcatg	169728147
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ttccatggct	gtgttccccct	ccagcccttg	aggatccagg	actttctgga	169728247
aacatgattt	tggagttcac	tggatgctga	atccattacc	accaaattgt	169728297
gtgaccttgg	gaagtccaag	ggagtcactc	cttcgagcct	agcctccttt	169728347
tctgtaaaat	gtgtgcaata	atgccaatac	cacaggttta	ttaaagtaac	169728397
gcacttaaaa	gtgttttagtg	tagggcttgt	gtcaaattaa	ggattcaaca	169728447
aatgatgggt	ggtttttgctt	ttatttggtt	ttgctgttta	tcagggctga	169728497
gcttaaatct	ccctcattgc	atcctaggca	aaccagggac	ctcccatgtc	169728547
ttgggaaacg	gctgagtgc	tgaatcacc	cacgtgggcc	agaaaagagt	169728597
gagagatggt	ttcaacatac	tctttgcctt	tcctttccct	acccgggatg	169728647
cgagtatcag	tgacaaagag	ttttattcta	gggagatgag	acaggagagc	169728697
tcacactgta	ttcattgagc	aagctcttca	tgtccagaac	ctttaaaatc	169728747
tcctgtacac	tcctgccccca	ctcccagccc	acactctcct	acggatgaaa	169728797
aaataagaag	gggcagtaaa	accttgtctt	tgtatagagt	ccaccggggg	169728847
ctcaacagag	gaggtggagg	aggcctcaga	cctggatgtc	gtggcagtca	169728897
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tgagcatctg	ctgtgcctgc	tggcctgtct	cacagggcac	atgaggtaaa	169729047
aagacatcag	gcacaggctc	ccccatgttc	attatatctg	gaaatttcag	169729097

FIG. 1E

Docket No.: 2345.2049-005
Title: Human Type II Diabetes.....
Inventors: Inga Reynisdottir *et al.*
Replacement Sheet

tctggccaag	ggagcttctg	agagcctgaa	ggtggccagt	atgtgactgg	169729147
aagtcaaggc	cacatggcac	agtgaccagc	gtgagactcc	tccaaatgtc	169729197
ctcagtgtaa	gggtggggaa	actgaggcca	gagcaaggaa	cacccttgag	169729247
taagctaccc	tcaaaacgga	gcctcctctg	gctggtagct	gggggacag	169729297
ggatggaggg	tagcctggcc	cctcctggaa	gtggtggcca	cccagcagat	169729347
ggctcttcat	tgccacacag	ccgatgactc	atagactaag	cccaagcaag	169729397
acccctcgcc	tcctcccttc	atctctgcac	tctccccttc	atggcctcac	169729447
ctctggggga	gactcccaag	tctctctctc	ttgccttgge	tcttttctta	169729497
agctccaggc	ctgcaggtga	ctccttggct	ggactgtgaa	cttggttgaa	169729547
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actaaaaata	caaaattagc	tgggcatggg	ggcacatgcc	tgtaatccca	169729747
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ttgcagttag	ccacaatcac	accactgcac	tccggcctgg	gcaacaagag	169729847
caaaactccg	tctcaaaaaa	aaagaagaaa	gaaaggaaaga	aggaaagaaa	169729897
aagaaagaaa	gaaagaaaaga	aagaaagaaa	gaaagaaaaga	aagaaagaaa	169729947
gaaagaaaaga	aagaaagaaa	ggaaagaaaag	aaagaaagga	aagaaaggaa	169729997
agaaagaaag	aaagaaagaa	tgtgcagcac	ccagcacaag	acctggcata	169730047
gagtaggggc	ctaacaaatg	gatggattga	tggaggatgg	gaggaaggac	169730097
cactagaccc	ttccagttga	atgtctttct	atagccccta	ctcaatcctt	169730147
gtaaaaccaa	aggagacctc	tctctcctga	ttttactctt	tctctttaca	169730197
tgtcccagtc	tgcagccttg	ttctttccat	ctgtcactcc	ctttccactc	169730247
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ctccacacca	ttccaaagag	atggcccatc	taaccatttg	accagaagc	169730397
cctacttcta	gaaatctatt	ctaagcaaat	catcacagct	gtgcatacgg	169730447
actttttattt	agagggtattc	attatggtat	tattgcatta	tttataacag	169730497
tgaaaaactg	gaggcaatct	aagtgtcaat	ggaaaaaatt	gtgtattaaa	169730547
taaattttgg	ttcatctgtc	tgatggaaca	atattaaact	gttgaaaaat	169730597
tatttttagga	actaattaat	aacctagaga	aatgctattg	atatcgtatc	169730647
aagtaggaag	ccaggagaaa	aaaaactgta	tgatgaatgc	agttccagtc	169730697
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aacattagtt	taggttttag	cttggaattaa	aggtgagttt	ttaaagtttt	169730797
tgtttgtttg	tttgtttgtt	tgtttgtttt	attgagacag	agtctcactc	169730847
tgtcaccagg	ctggagtgca	gtggcgcaat	ctcagctcac	tgcaacctct	169730897
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actacaggtg	ccggccacca	cagccagcta	atttttgtat	ttttagtaga	169730997
gacagggttt	cacaatgttt	tccaggatgg	tctccatctc	ctgaccttgt	169731047
gatccgcccg	cctcagcctc	ccaaagtgct	ggcattactg	ttgtgagcca	169731097
ccgtgcccgg	cctaaagttc	ttcttgatgc	ttctctgcat	tttctgaatt	169731147
gtcttcaata	agcatccata	tttaatcaga	aaccacaaac	atatcattca	169731197
ctaaatacac	atcttcaatc	atacagttct	cagtatggga	acgcatgaaa	169731247
gttctgcttt	cactggcata	tactggctg	ttcatgccat	gtggcaatac	169731297
accccgaaact	accagatttg	gcactcccag	ccctaaccct	acagtctcag	169731347
acctcagccc	actccctagt	cctgtgtccc	cgtgaccaa	cccacacacg	169731397
cattctcctc	cagccaaaact	ggtccccaca	tgtttccaaa	ccagccttct	169731447
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ttgcattgta	gttggatatt	ttcaaaataa	aaagctgggg	aaataaagga	169731647
gcagtgtagt	atagtattta	agggcataaa	ttctgcatga	aattacctta	169731697

FIG. 1F

Docket No.: 2345.2049-005
Title: Human Type II Diabetes.....
Inventors: Inga Reynisdottir *et al.*
Replacement Sheet

tttcaagttc	cagtcceact	gcctattagt	tgggaagtag	taacattagg	169731747
caaggtactt	acttttctaag	actcagattc	ttcatcagta	aaatggggat	169731797
aatgaaaatc	ctgggtgtatt	tgtttcctac	agttgcccag	agaatggaat	169731847
gtatgtgtgt	aaagggcttg	gcgaagagtg	ccacacaccc	ttgatcatga	169731897
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gtaaagtgtc	acagcttttg	aaacttttct	tgcacggttc	tttttctgcc	169732047
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gcactgaacc	ccaaatgaga	atctcaaagg	gttcaagctg	tacttttaaag	169732197
aaaactcttc	tcatcaggac	caagtttgca	cttttgctga	tgcagccact	169732247
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gagagagagg	gaggtgaggc	agtcatcaat	caggcccaca	agcaagagag	169732697
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agagagaaca	gacattttgtg	aagcatcttt	tatgcaccgt	gctgagtact	169732847
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gcatgagaaa	aaggcctttc	aaacaagtcc	tgagagagtg	aaaataaatg	169733147
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gaggtcagga	tctcctccca	cagctcagac	tgcttcaaac	cagcgggggt	169733347
ctggcttgtg	gctgagggga	tttcaattca	gaagggttgg	aaagaaacaa	169733397
cagaggggaa	tgagggatca	tgaccagtgg	agccacagaa	aatttagtta	169733447
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gttcaatgag	ctgtgcctgg	aaagatcctg	gcattcaggt	aggtgttcaa	169734247
caaatgctag	cccttattac	cgttaggaat	gatagattct	tgcacagcaa	169734297

FIG. 1G

Docket No.: 2345.2049-005
Title: Human Type II Diabetes.....
Inventors: Inga Reynisdottir *et al.*
Replacement Sheet

gtgatcagct	aaatatatgc	ccaaatgaaa	gtggctccat	cttgctatag	169734347
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tattgtagaa	agagtgtgac	tgtgttctcc	ccgacaatac	ttctgacacc	169734447
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aactgggtgt	cctacaattt	aattcaattc	tgacactaac	taccagaggt	169734547
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tcaaattgcc	gccaccaata	gggtgtcctg	actatccaca	cttccacctg	169734647
actgacagaa	cattcctaca	acctccccta	cacctccaga	taggatataa	169734697
taatttacta	gagtgatcca	cagaactcaa	aagaacattt	tacttactat	169734747
tgacacttac	tattacatgt	tgattacaga	ggatataact	cagaaacagg	169734797
cagacggaag	agacacacag	ggcaagggtat	gagggatgca	gggtggagggt	169734847
gcagagtttc	cgggcccctc	cccagcacct	tgacgtgttc	accaacccag	169734897
aagcccccca	aaccctatta	tttagggggt	tttatgaaga	tttactaca	169734947
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aagtcttact	ggcacttgga	gaacaagtgt	ttgtatttga	acatgcggaa	169735297
tcaaagggga	gttgagtaaa	aggggctcca	gaattgacac	aggaggagga	169735347
ctcagtgag	caatctcatg	gggcgtgggg	acagaagaca	catcccaaag	169735397
cttcatgtgc	ctctcaagcc	cctgcttttg	ttttatgtgt	actggggata	169735447
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tggagaggag	gatgacccat	caactgactc	atctggggga	caggatctgg	169735797
gagccagagg	tgatggagaa	aactaaagcc	ctcctcctgg	ccccagtggt	169735847
gaatctgatg	gagcctgggtg	gagagcctca	catttctaca	gggcacgggtg	169735897
tgggaggggc	ctggaggcct	tgtctctgga	tgactagggc	tggcagttct	169735947
gaagcttttc	atcatcagga	cccttttaca	tgcttaaaaa	atattaagga	169735997
tcctaagagc	tttggtgtat	atgggttata	tctattaaca	gttaccattt	169736047
tagagattag	aactaagaat	ggtaaaaata	tttaatttga	atttacttat	169736097
tttaaaataa	taatacatcc	attagttgct	aacaaaaata	acataatttt	169736147
ttgaaaaaca	attatgcgtg	gcaaaaagta	tattgggaga	agtggatttg	169736197
ttttacattt	ttcacaaatc	tctaattgtc	agcttttagaa	aggcacctag	169736247
aatctcattg	ctacctcggc	attcagactg	ttttaacaat	gcatgttaca	169736297
tgacctctgg	aacattccat	tgactctca	taagagaatg	aaaatgaaaa	169736347
aggcaaataa	tgtcttagta	ttattatgaa	cagagttttg	actttgcaag	169736397
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aatgcagtt	tgcaatgccc	tgacccaagg	agtttaagat	aaattttgga	169736697
tgagttgttg	atttagagga	ggagctggta	tcacttcagt	aagtcacaga	169736747
aaataagatt	atattaatat	ttatattgca	ttattttaaa	tctgcataat	169736797
gctgagtcct	cactgtgaag	aaggaagccc	ctcacaatga	ttagtggagg	169736847
gtagggaggg	agaatggcaa	gaagacacca	agttccttgc	aggcaagcaa	169736897

FIG. 1H

Docket No.: 2345.2049-005
Title: Human Type II Diabetes.....
Inventors: Inga Reynisdottir *et al.*
Replacement Sheet

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ggttctttcc	accccggttc	tggagctcag	gtggcccctt	gcctctgaat	169737097
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cgtgcataaa	gttctgtgag	cagcagacag	ttgtggcatt	tgctagaagg	169737397
ccagtcctta	ttgacaggag	gagaacatct	atctcaagca	aatgaagggtc	169737447
atcattaata	atztatggga	cagtgggggt	taggcatcct	cacatactaa	169737497
tttttctaga	ggaacatggc	cttttcccct	gcagggattg	tttgggtatt	169737547
ctgagtttct	gtgtatttta	gtcccaaatt	cagggtgcatg	gaaaccattg	169737597
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aagctttacg	aaataatata	gagacattcc	gtgccccctc	tacctaattgt	169737747
ccccaatggt	aatattttaat	attttgcaaa	actatagtac	aatattacaa	169737797
ttaagacttt	cttaaaaagac	tcacatgagg	acctttgaga	cttccctgac	169737847
cccagaagga	aaaaattcca	gggaatgatg	agctgcctgc	ctttggaagg	169737897
aagggtccacc	aggtaagaaa	ctggaggcca	cagggatacc	tctgggctcc	169737947
ctggctggaa	ttggcagatg	ctggtgcaga	tgccaggggc	tcccctcaga	169737997
actccaacct	gcatgagggc	acctgggttc	cagggatgca	acgcagctcc	169738047
ctgcctggcc	cctgtggctt	tgagtggctg	tgtccctcag	cccttcacag	169738097
ctggctctgc	ccctcagccc	ttcacagctg	gctctgcccc	tcagcccctc	169738147
acagctggct	ctgtccctca	gcccttcaca	gctggctctg	ctgagttctg	169738197
tggttgagat	gccagggtact	ggaacacaga	gctccaggct	tgagtcctag	169738247
cccctcactt	tacagatggc	cttggccagt	tacctcttac	agcctcagtt	169738297
tttcatagta	acttagatag	cacttaccat	atgtcactat	cctaggaaat	169738347
ttacataaaa	atttgtttca	tgccaaaact	ctatggaaag	atactattat	169738397
cagtttctgt	ttgcaaacga	ggaaacaggc	acagaaaggt	tattcgtcca	169738447
aagtcaccca	gcttgtgaac	agcacagctg	gaatttgaac	ccaaacagtg	169738497
cacatcccaa	gtccacatac	ttagccactg	tcctctgttg	cttctcatca	169738547
tctgtgaggc	aggttcagga	gtatctcatt	tttttttcca	aggcaaaacta	169738597
attagtagag	tgccctggcac	agaataaata	agcaccata	catgccagat	169738647
aacattgtca	gtataaacttc	tggaagtttc	tgagtattca	tgacttattc	169738697
tttttttttt	tttttttttt	ttttttttga	gacagagtct	tgctctgtta	169738747
cccaggctgg	agtgccgtgg	cgcgatctcg	gctcactgca	agctccgcct	169738797
cccggttca	cgccattctt	ctgcctcagc	ctcctgagca	gctgggacta	169738847
caggcggtta	ccaccacgcc	cggctatgat	tttttctatt	tttttagtaga	169738897
gacagggttt	caccgtgtta	gccaggatgg	tctcgatctc	ctgacctcgt	169738947
gatctgcccc	cctcggcctc	ccaaagtgtc	gggattacag	gtgtgagcca	169738997
ccacgcccgg	ccgaactttt	cttggttacta	acaatagctc	tttttccctg	169739047
atcctctccc	tcctcctacc	tcccgccttc	caataggcct	cagtgtgtgt	169739097
tgttcccttc	tttgtgtcca	tgtgttttca	tcatttagct	cccacttata	169739147
agtgagaata	tacagtattt	agttttgtgt	ccctgtgtta	gtttgctaag	169739197
gataaatatt	ggcctccagc	tccatccatg	tccttgcaaa	ggacatgatc	169739247
tccttccttt	ttatggctgc	ataatattcc	atgacgtata	cgtaccacat	169739297
tttctttaat	aatgggtact	agacttaata	cctgggtgat	gaaataatct	169739347
gcacaacaaa	ctcccttgac	acaagtgtac	ctatgtaaca	aacctgaacg	169739397
tgtaccctgc	aacttaaaat	gaaagttaag	aaaaaaacac	acacacaaaa	169739447
caaacaaaaa	aaactatagt	tgccatttta	aacacctatg	atgtgtcaaa	169739497

FIG. 11

Docket No.: 2345.2049-005
Title: Human Type II Diabetes.....
Inventors: Inga Reynisdottir *et al.*
Replacement Sheet

cattcccttca	gccctcccaa	ctatccagaa	agagtccttc	ttttatagat	169739547
gaaaaaacta	agaatcaaag	agatgaaatc	gggcagagta	gagacaggat	169739597
tcaaacccaa	gatctgcatc	ttggactcac	aacactggaa	gaaacttcag	169739647
acaccagcct	aacttcacac	ccagctcagg	actggccctg	ccgaatggtc	169739697
actcacctgc	tctgaaaatc	ctcgcgacag	gacgctcact	tcctacaccg	169739747
gtagttctct	ggctcgaggt	gtgccacaga	atcccctacg	cattgttaga	169739797
acacagaaca	ttgctacccc	caccccgtgc	agggcttctg	gcgtgggtggg	169739847
gctgggacag	gggcctgaga	gtgtgcattt	ctcacaagct	gccacaggat	169739897
cctgatgctg	ctggcccagg	gaccacactt	ggacagtcac	cgttctagga	169739947
aaacttcctg	gagtgggaat	ggtaaagggt	atggcttctt	cccattttgc	169739997
cctttttcaa	tctgagatag	gcttccccag	caggctcagt	gccagagtc	169740047
ataccctcaa	tttaaataac	aaatcctcct	ctatatcatg	acctttcctc	169740097
cagagggttg	tttttcattt	tttgtttttt	gttttttttt	tgagacggag	169740147
tcttgttcta	tcaccaggct	ggagtgcagt	ggcacaatct	cggctcactg	169740197
caagctccga	accccggtt	cacgccattc	tcctgcctca	gcctcctgag	169740247
tagctgggac	cacaggtgcc	caccaccacg	cctgggcta	tttttgtatt	169740297
tttagtagag	acgggggttt	accatgttag	ccaggatggt	cttgatctcc	169740347
tgacctcg	atccaccagc	ctcggcctcc	caaagtgc	ggattacagg	169740397
agtgcagcc	cgcgcccg	ccagaggggt	ttttaagatt	gtgtgttctg	169740447
aatggcctgt	ctctgactgg	aacccaactc	cgtccccaga	cccacttcca	169740497
tctttttctg	tgagggggac	acactctttc	aacttttcca	aaatggcatc	169740547
taccatggct	tttctgatta	aaagcaaacg	aaacacaccc	ttcctataat	169740597
caaaaattta	gaaaagcagc	aaaaataaaa	aggggataag	gaagaaaaca	169740647
gaaattaacc	accatcccac	cgctaaaatt	ttgatgagtt	ctcatgtgtt	169740697
tccttgcagc	tgattgttgt	ttggcataca	tttattaata	ttggaattaa	169740747
aaatatatat	ggcactttat	atcctagaaa	atagtaatac	tgtaaatgtg	169740797
ttctagaaat	gggagctgct	gttgctctta	ttagagaatt	caaacaaaga	169740847
aggggagctc	gctggggaca	gcttctgggg	gaggatgggt	accgctttga	169740897
gacaacaggg	agaactcagg	cacagaggtg	acgatcatcg	ttctctgtgg	169740947
ggcacatagt	gatgcagccg	gaaacaggta	tgagtgcagt	gagtggggac	169740997
aggtaataga	gagctagaac	tggctggcct	tatggcctcc	aaggcattgg	169741047
ggagccactg	tacattcttg	agcaggcaat	gacttcacaa	aaggatttct	169741097
caaagggttag	tcctgcaaca	gaagacagcg	tggattggac	tggaagagtg	169741147
ggagggcagg	tggagaaggc	attgtgctgc	aagtggggag	cagccctggg	169741197
ggcccagcca	gtcccctgtg	ccctgacaag	tggatgggca	tggatggatg	169741247
gctctacttc	tgggcccgcc	ggatggacag	gtactggttg	ctcttcacca	169741297
tggcgataat	gaggaggcca	ccggtcagca	ggaagggtgg	ccagaagagg	169741347
gagaagagga	gggcctgggg	cccgtagagg	cgctggaata	ggacgctggt	169741397
ttcgttcccc	cgaggtgcgg	agaagcagta	gaagacctgc	tgctcttgga	169741447
atttggtctc	gaccttctcc	acgtcggccc	gggcccgtctg	gtaattgtcc	169741497
acgctgcctg	ggatgtagga	gcactgtggg	gagaaacaag	agcagctgtg	169741547
ggcttggaaa	tccccatttc	ttagccaagg	gcttgatatg	gagtaaagaa	169741597
aaataccagc	ttttagtctg	ggcccctgga	ttggagtctg	ggctttggtc	169741647
taaagcttgg	caggccatgc	gctgtacagg	tctggagagc	acgctctcat	169741697
ttgtgtcttg	tgtgtggatg	gcggtgctgg	agctgctcgg	ggtacaggct	169741747
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gctgtagaat	ttttggcaaa	tttctcactc	tttctgagcc	ctgaagcttc	169741847
atcacttaaa	tgggtgaata	tcggtttcaa	aggatattat	gaaagaagga	169741897
cttcacacag	agctatctaa	ggaaaccagg	gagggacaca	ggccaagtgg	169741947
gctgtgtatt	tgaaatcgag	atcatgtgct	caattgccta	cagggtctcat	169741997
gaagggtattg	tcagaggggtg	aagcaggcaa	agcaatgaga	tgacaggtgc	169742047
ccactgactc	ttgccttgggt	gccaggaaga	attgccaggg	tgtggcaggg	169742097

FIG. 1J

Docket No.: 2345.2049-005
Title: Human Type II Diabetes.....
Inventors: Inga Reynisdottir *et al.*
Replacement Sheet

cctgtcaata	gggagagagc	cagctgcctc	cagacaggca	gtcaccactc	169742147
cctccaggca	atggatgtca	ggccatccag	aagatctata	atagccagac	169742197
ctccaacact	ttaagagaag	ttagaaacca	gatcacacct	gtaatcctaa	169742247
cactttggga	agccgaagg	gaaggatccc	ttgagcccag	gagttcgaga	169742297
ctagcctagg	caacatagca	agactttatc	tctacaaaaa	aagttaaaaa	169742347
ttatccaggt	gggcatgggtg	gtgtacctgt	agtcccagct	acacaggaga	169742397
ctgaggtggg	aggatcacct	gagcccagga	gttgagggt	gcagtgagct	169742447
atgatctcgc	aactacactc	caggtaaggc	aacaaagcga	gatccccattt	169742497
caaaaaaaaa	aaaaaagtaa	aatattagct	aaatttaaaa	ttgaaaacct	169742547
ttgcagtttc	aacctgtgta	cagcaaacaa	actatgttgg	caagcgggta	169742597
tttgacactg	ggatccaaag	gaaagaaaga	atgcattgaa	aagagttttg	169742647
tgccagcaga	gcatgacaca	catttaattc	tgacgttgat	tattgttatt	169742697
aggaactttc	tgccctgttc	agatgaggcc	agctggaaaag	tgatgcaaaag	169742747
cagtcataaa	gcggagtttt	atctggtttt	atctctgttc	tgagctgcaa	169742797
gtgtggtg	cccactctgca	gcagaatacc	tacaggggccc	ccatagccca	169742847
ggtccctacc	cactctgcat	cactgagggc	gagaccaggg	aatgtgtgat	169742897
tccttcatgc	acttaatttt	gccctagtga	aatcatgtgc	aagatcaaaa	169742947
tgtgtaaaac	tgagacccaa	atggcagggtg	ttgagccaga	ttccttgcat	169742997
gcctcggcc	ctccctggat	ttatatgagg	tgccaccctg	gaagctgcct	169743047
gcctgaggg	cattcactcc	agcaacacag	aggagggttg	cactgtagtt	169743097
ctcacagcct	gggaaatgca	gatgctgcac	tcagatctag	ggccccagcc	169743147
agccagggag	tagctgaggc	tggggagacg	ctggctcctc	aggaatctgg	169743197
cattcagagc	tgttggacac	tgccagggtcc	tcagtagcat	ataatccagc	169743247
atcctgagct	gacggtgagg	gggctgggcc	tgagtctctc	caatgcctct	169743297
gactgtgacc	ttggctaacc	tagctcctta	aatagcagtg	tggtctatgga	169743347
gtcagacagg	cctgagttct	gagctgtgtg	accttgga	ctgccacaac	169743397
ctcactgggc	cttgtaaaat	gggtttgtga	ggctacctgc	ctaggagaac	169743447
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cccagcacac	gataagaact	caaaaaagtg	gaagatgcta	ttattaataa	169743547
taatatgttt	tgacttatct	atgaaattgc	aacaacagct	ccttctttac	169743597
cttcttaaaa	agaggtctat	ggatgagctc	tgaagtagag	gcttctgtcc	169743647
atcctggggc	tagtgtatcc	tctgcctgct	cagggttcct	ctggatcttt	169743697
tatgctgggc	ctgtttggca	agacactggg	caggaattca	ctcttcatgg	169743747
ccaaacccag	aagccggggc	ctgaatgcat	cctttctctc	ctgtcctggg	169743797
tccagctaag	cctgagttat	ctgaatgcat	tgaaaccaac	cagctttttc	169743847
ccaagccctg	cagtgtaaag	tccccaggac	agacaatggg	aggggaattta	169743897
gaactcacct	gctccaggct	aagactcaca	ggaaaagctg	agggcagact	169743947
atggccccta	ccttcagagt	tggaggggtg	gatgagagtc	ttcttgggcc	169743997
ttcacagtga	ttccagagga	caccagcta	gcctggagcc	ccagccactt	169744047
gaacccctat	gatggacata	ggcggaagga	gcagctagcc	cacaaccag	169744097
ctgcttgcca	aaaacacgaa	gggcatttcc	actgcttcc	cccagctcct	169744147
gcagcctgct	atcagcacca	cacctgggtca	agcctgggcg	gcaggggaga	169744197
ggacagcagt	ggctccagca	tgctccttcc	tcacatcctg	ctgacagttc	169744247
attcagggga	tgctcctctg	agctggcaat	ctcaggacca	gggaggcagc	169744297
ctgaaaacca	gcctgctctg	gccatatca	ctcccggaga	atgttaccag	169744347
ttattgaaaa	tttgtttctt	gcattgggat	aaatcaagg	ctactgaatg	169744397
ccaacgcaga	ggcaggggtc	atgggttagga	gctgcctcca	gtggggccctg	169744447
agacctctct	ccaccgggtg	gggccgagtc	atactagcga	tgacagaaca	169744497
cctgaccatc	ctgcaactgc	cagacccaact	tctcattgac	cttcagcact	169744547
ctcaagatcc	cccagcctcc	acgccccatc	ccaggcacc	tgccccttcc	169744597
cgtcccatca	gccatcaagt	ccggactgtc	agcatctccc	ctgctgcagg	169744647
ccacatcttg	gtcgtgagtg	cttgcctgcg	ccttggtccc	tctgtctagt	169744697

FIG. 1K

Docket No.: 2345.2049-005
Title: Human Type II Diabetes.....
Inventors: Inga Reynisdottir *et al.*
Replacement Sheet

aactggaccc	acacacctgt	aggctccatc	ttcccagccc	aactctgaaa	169744747
ctctgatcat	gccctaaaga	ttcccattgc	caacagcaat	aatttccaac	169744797
cttagaatca	ccttgggagc	tccatgaatg	gatctctgac	cagagattcc	169744847
accttgatat	gtctagtgtt	ggaccctagt	tttgtttttt	aagactctta	169744897
cagggttcta	atgcatagcc	aaagttgaca	tatcttgaga	catacacact	169744947
cacattttaa	ttccatattg	tggtgatcaa	aggcctctgg	gaacagacct	169744997
tagtctgccc	tgacagcctt	ttccagctgc	atacacccca	tcatgggtca	169745047
ttttctgtag	tcagccctct	gatccctgtc	tcacactagc	ccttccctcc	169745097
gccatgcctc	gtcctatagg	catacccgct	tcctatatca	cctcattctc	169745147
tatgccttgc	atcctgcgcc	tgccctgatgt	taaaagccta	atccaagagc	169745197
ctttcttttt	tttttttttt	tttttgagat	ggagtttcac	tcttggtgcc	169745247
aggctggagt	gcaatgggtg	aatctcacca	agagcctttc	tgataccccc	169745297
atcattgtca	gctggaaaac	atccccctcc	tctaaccctt	gtaacttcc	169745347
ctgttcttct	ccccgggtgc	aattcttccc	tgctaggcac	tgttcatgca	169745397
tgagctctct	cctcttgagt	cctacaggct	tgacacagga	ggtgctcaat	169745447
ggctgttgaa	taaataaatg	agaggaggaa	agaaggaaaac	aagggaaggaa	169745497
ggaaggaagg	aagggaaggga	gggagagagg	gagggaaggga	gggaggggaa	169745547
aaaaaagaaa	agaaagaagg	agggaaagaaa	gggaaaaaag	aaggaaagaa	169745597
agaaggaagg	aagagagaca	gaatatgggc	caactgatcg	ctttaggaaa	169745647
ggatatgggtg	gtgagttttg	tgttttggag	ggggaggggtg	ggatggtggg	169745697
atgcaaggat	ggaaaaacca	tctaaatgtt	tgtttatgga	ggttactcca	169745747
gccctgagtc	cctgggtttcc	tggggagtc	ccgggattcc	actttgagga	169745797
tctggccctg	ggcctgggtcc	ctcatttgac	tgaggttgta	gaatgaaagt	169745847
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caagcgtggc	actttatata	cagcgtctct	gacttgataa	cagctcttca	169745947
aggtgcagca	ttagcattcc	actttacaag	ggtggaaact	gaggagggtga	169745997
gaggctaagt	ggcctgccta	tgtttacaca	gccagttagc	ggcagattca	169746047
aaccaggtc	gtgtgtgactc	caacacagaa	gagctagggc	tggctcagtc	169746097
tcattccagc	tgtgagacct	ggtcaagtgg	gttgatcttt	ctcagcctcg	169746147
gggacagggga	cagttaggaa	caggctcaca	cacctgacag	ggataaaggg	169746197
atgtgtcccc	atccctccag	ttcagtacct	gctggttctg	gtcccagagt	169746247
tcctccgtgt	ggtacagcac	agcccacctg	ccggcagctg	acacgttgac	169746297
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tgacccacaca	gtccccggac	acagggagga	attgtagaag	ctggatgggg	169746597
tcttagacat	tatctatatg	actggttctc	aaccttggct	actcttgcaa	169746647
caacctgggg	agcttctaata	aagattcccg	tgtccaagct	acacccacaga	169746697
gcaagtgaat	cagaacttct	tgggtgggtt	ggcccaggcc	ctgggtgttt	169746747
tttcaaagct	ccctgatgtg	attctgacga	gcagccaaac	ctgagacttt	169746797
cttatccata	tcgtcttcat	tttgacagag	cagaagagaa	actcagaaag	169746847
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cttcaccaga	ttaagagtcc	agcctggaat	cgcttcagcg	ttgtgaagag	169747047
tgaggctgca	gcaggccccg	gagaggctaa	caggttcac	aacatattag	169747097
taaatcagtt	gtgcttcaac	tcccaggtat	cctgtgggag	acccattgcc	169747147
agtcagaagg	gggctgtcag	ctgctggaac	gtgccagag	cacaggtctg	169747197
agacttatcc	taaggacagg	ctgggggaac	tgagtgtctt	tggtccaaat	169747247
agaacacgaa	ttaggaattc	acagcttttc	cttaaaatct	caagtgtgtg	169747297

FIG. 1L

Docket No.: 2345.2049-005
Title: Human Type II Diabetes.....
Inventors: Inga Reynisdottir *et al.*
Replacement Sheet

atatgtcatg	gagcaagggc	atggaccatt	ctctgagatt	cctgagcaga	169747347
acttcagggg	agcagatgct	ggctcaatgc	agacacatca	gaaaacctca	169747397
aacatgaaat	gtatgttcag	tgaggcaagg	agctccccgt	ctcttgaggt	169747447
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agaattatgc	agctgagctg	taaacatctg	caattctctg	attcctcctg	169747547
ggatcaaact	tgcactggaa	cctttgctct	gattctttgc	tattttcttct	169747597
gagaagggca	tcatgtgtct	gttaccacca	cgctcctagat	catgtgtctg	169747647
ttaccaccag	gtcctagaat	ctcagaccag	tggggctcag	ttcatcctac	169747697
cttcctctga	cttgaaccct	agaacctaa	aatgagcatc	gtcttgaccc	169747747
tgctgccttg	aatgaggggc	aaggagaggg	gtgagtagaa	ggccaggggt	169747797
ccttacagat	gccagaccct	taggagaggg	ttgggggggtg	ggcaggccgg	169747847
gagagctcag	taccttttct	ggtagagggg	cagcacagtc	gtgaccagga	169747897
tgtagtaggt	gatgacggca	cacaccacca	tggttacacc	caggcaaagg	169747947
gctcgtgtct	ctccccgctt	ctgggccatc	accagcttct	tcaccatatt	169747997
cactgggggc	agtgatcatt	tctaggtcca	cagaagcaaa	cagaagtgag	169748047
atcagcccag	ttcacagggtg	atccacagaa	agagaggaca	ggtgagaggg	169748097
gaagggtactc	aactattaat	atcactcttg	tttatatttg	gagctttgca	169748147
acttccagaa	gtcttgcttt	ttggaccca	tgtaagcctt	ccctgtgcaa	169748197
ttgagaggca	attgcagata	aaagacctac	ggctcagaga	ggtaaagtga	169748247
cttgccctag	gtcacacagt	atgtaatagg	ctcagtaatg	gcccccaaag	169748297
atgtctatgt	tctagtctct	ggaagctatc	aatgttactt	tatgtggcaa	169748347
tgactttgca	gaaatgatta	agataaaggc	tcttgaaggc	caggtgcggt	169748397
ggctcatgcc	tgaaatccca	gcactttcgg	agaccgaggt	gggcgggatca	169748447
tgaggtcagg	agatcaagac	catcctggct	aacatggtga	aaccccatct	169748497
ctactaaaaa	aaaaaaatac	aaaaaattag	ccgggtgtgg	tcgtgggagc	169748547
cagtagtccc	agctacaggg	gaggctgagg	caggagaatg	gcatgaacct	169748597
aggaggcgga	gcttgacagt	agcagagatg	cgccactgca	ctccagcctg	169748647
ggcaacaaag	caagactccg	tcaaaaaaaa	aaacaaaaaa	caaaaaaaga	169748697
taaaggctct	tgaaatgggg	agacaatatt	ggattatcca	tgtagctcct	169748747
aaatgtaatc	ccaagggtcc	taataagagg	gaagtgaagg	gagattaaac	169748797
agatgagaaa	gctaagggtga	tatgaccagg	gagacagcaa	ttagagtgat	169748847
gtgaccacag	gccaaggagt	gcgtcagaag	ctggcggggg	caaggaacaa	169748897
tggctcatcc	cccacggcca	ctgcagggag	tgcagcctgc	agacaccttg	169748947
gtgatttttg	acttctggtg	aaatttctgt	cgtttgaggc	cgtcagggtt	169748997
atgatcatct	gctacaacag	tcataggtcc	catgcggtga	gagagcagta	169749047
catgtgcac	atccatgcac	ctccttccac	ggcacttatc	tcacagggat	169749097
acttgagta	tttctgccc	gaaacagttc	tgtggcaggg	ctagctgggc	169749147
cgggcacagg	cagggaaagg	agaggagggc	cccagaaggc	agctgcagg	169749197
tgtcaggaga	ggcaggaggt	ttaccatatt	ccgggtgttt	ttttttttgt	169749247
aaggaaacatt	cccctacttc	aagcaaaaga	agaagaaaga	aggcatcatg	169749297
gtggcctcag	cgactgcttt	cttatttctc	ggcttgaagc	cacctgggac	169749347
aaagcagaat	gggcacattc	tgctggtggt	tgctttcctt	ctctcctctt	169749397
tctttaggca	gcaactcctt	gtttttcccc	tggaatttga	ctccacccca	169749447
atgcaagcaa	agattccacc	ctcccctgct	aggctcctga	tcgctcccc	169749497
aggagtgtga	gtcttgacaa	agacttcaag	aaacagcccc	tcaatctatg	169749547
ccgcctggag	ccacagagat	gccagccat	ggccccgcg	tgatttccca	169749597
tggttccgca	agctgtccta	gagcctctgg	taaatttatt	tgctgttggt	169749647
tttattttgt	taaagtaacc	agagtccatt	tctacaaaa	ataccaggaa	169749697
gctatcaatg	taatcctcca	ttttagggga	aatttttaggg	gaatttaggg	169749747
gaaatttttag	ccagatatca	gggggacttt	attctccttg	ccaggtccct	169749797
aaagtaataa	acatattatg	gtttttgttt	gtttaattag	ccagtgtccg	169749847
ggtgacaggc	cttagtccaa	agagattttc	tgcaaagtgc	tctattttct	169749897

FIG. 1M

Docket No.: 2345.2049-005
Title: Human Type II Diabetes.....
Inventors: Inga Reynisdottir *et al.*
Replacement Sheet

gctcaggcgt	ctcttaacta	ctagactgtt	tcaaataattc	agagattctt	169749947
gactccctcc	ccttagccag	gctgccctca	taccgggca	tctccgctaa	169749997
aggggaagaga	ccagggtcag	gcaccacgga	taccatcac	accttcccag	169750047
tgagctggtc	cacctccct	atcgatcggc	agaggtgaca	tccaatgaca	169750097
actttttctc	ctttatttgg	caccaggagg	tgagtttctc	ctgcattcta	169750147
atggagacat	tataaaagca	caagcaagca	gaaattgccc	ccgacaaaaga	169750197
gagatgtttt	attcaactct	ttttattcaa	tccttttcct	cctgttctgt	169750247
gatcttgtgg	gaatgggaga	gcccattgct	ttttctacct	ggcgtcagtt	169750297
gaacaagact	ctccatgtat	tcacaggtaa	agcaacagaa	tcacctggag	169750347
gtaagctaaa	agccccaaca	gcctgcttcc	ccaggacctg	caagggtcac	169750397
tggcacttgg	ccccaccca	gatactgtga	gacataaatc	atttgaagcc	169750447
aatgggaaat	cccattcttg	aagcctaggg	ctgagtggcc	acaacaaaagc	169750497
catttctctc	ctgggggaac	tgatcgcac	ctgtgggggc	ttcctgtggc	169750547
tccttcctgg	ctaatacagc	ccccccagcg	cccagggcc	tgccctcctc	169750597
tgctatttgg	cttctagtgc	cctctcaggg	ccctgggcac	tcctgaggct	169750647
ggtgaaggca	ggaacctggg	tttaccagtt	ttaggagctc	agaaggaaag	169750697
gaaaggagag	gcttccctgt	cacagagaag	tctggaaact	tggtttattc	169750747
aggtctgacc	cgtctctaata	ggtctgatga	gattgttgcc	tgactgagt	169750797
gagtttatag	agtcattgata	aatcctccta	agaccatgcg	tggtgttcag	169750847
tgtagatatg	acttcagcaa	gaagttagta	ttcagcatcc	aaaggagaga	169750897
cctttggcgg	gaggaaggat	gggaactgtc	aatatcccc	aaggacaga	169750947
aagaaaagga	agaagtgggt	ttcagctatc	ataggaggga	tttcagttag	169750997
actgtaagaa	gaacttccca	gttttgagca	tttctaaata	tctctgaagt	169751047
tccaggatat	atcttcccat	ttagaaagg	cacttgagat	ctgggataga	169751097
ttcagagaag	atggagaagg	acaaagggaag	gcaggacttt	ggagtgtcct	169751147
gggtgacctg	atagctgggt	cgacatcctt	ttccttagaa	ggacaaggaa	169751197
tagactacat	gttggaacag	tttggtgggg	tgtggacagg	gcgattctga	169751247
ggtcctcaga	catggaatca	aatcctggct	ctgccactta	cacttagcaa	169751297
ccacatgact	gtgaaacgag	aacctgggta	cctgcctcag	agagttcagc	169751347
taaagatcaa	atgccatatt	gagtatcaga	catgtatcat	agcacctagc	169751397
cccaaatcag	cccccagtaa	atattagcta	ttactactaa	cgaaggaaac	169751447
cctgaaagtt	tgagacagaa	gtctggaccc	ctcttgatga	atctattttt	169751497
gtcccacctc	tctaccgggtg	acaagtgcc	gcattgggtg	taatctccag	169751547
gctgcagcct	tctggccact	ctgagaactg	ggacctagag	ggccaggggcg	169751597
cttactacca	gagtaacctg	gccactgtgc	caccctcccc	actggccacc	169751647
agaccacggg	ccctccatcc	agaaggacag	ccccgagagg	aaggaggtcc	169751697
tcctgcctgc	ctccctccct	gccccgtggc	aggctgcttt	cccctgtctc	169751747
cctccagccc	ggtcttcaga	gaaatcactt	cccaagtgtc	ttcaggcccg	169751797
gtactcacag	tcttcccggc	gtcctgtggg	tcttgagcag	cagacagttt	169751847
ctttctgcct	ggacccccgc	ccccaccca	aaagaggcca	cagagcttca	169751897
gcagggaagtt	tgccctcccc	gcccgtctcc	agggaagcag	cttttggtcc	169751947
ccatctgggg	caagcctcca	tgcccaaaaca	tggtcaagtc	tgagcacaca	169751997
gcctggagac	acagactcgg	agagcaggta	cccagccctg	aggaaggcag	169752047
ctgttaccga	agccctgcac	ctccatcttc	ccagagtctc	gtgggaaaca	169752097
gatttcaaac	aacaacagac	agcaagactg	agaaactacg	aaagatcagc	169752147
ctggtatatt	tggaaatatt	tcttcttctc	tctgtctctg	tggtgtggca	169752197
aagatgccag	aaataggaaa	tgattctcct	tttgttggca	tgagggaagg	169752247
tgaggttggg	ctggaggggt	tggtctgtgc	actagtcctt	ggcatatcca	169752297
cgctggagca	gctacagctc	cctgcctttg	gcacttacgt	gctgtgtgac	169752347
cctgagcaag	ttatggcacc	tctctggggc	tcagtttctt	tttttgtttt	169752397
tggttttact	cccaaaactta	tcgttaaattg	acctcagttt	tctcacttgt	169752447
gttactggca	ttttttaaacc	ctactttgct	ttagggtagt	gatgggagtt	169752497

FIG. 1N

Docket No.: 2345.2049-005
Title: Human Type II Diabetes.....
Inventors: Inga Reynisdottir *et al.*
Replacement Sheet

agagacggtg	gggattttatg	gcaagggggag	agaactgact	ttttaaggac	169752547
caactgagct	gaagctggga	gtagtgagag	ctccacaact	gcttccaacc	169752597
aggtccaggg	acagtctgct	caccaggggc	cctcccagag	accgcgaaag	169752647
tacagagatt	tcttcctagc	aataagacaa	gtgaatgtca	gcatttgtag	169752697
gcaaaaaaca	tgcttttaga	tctctgcttc	ttcatctgta	aagtgggaagt	169752747
aaggattaaa	aatcagcaac	aaagggcagg	cacagtggcc	cacgcccata	169752797
atcccagcac	tttgggatgc	caaggtagat	ggattgctca	agcccaggag	169752847
tttgagacca	tcctgggcaa	catggcgaaa	ccccatctct	actaaaaata	169752897
caaaaattag	tcgggcatag	tggtgcatgc	ctgtggtccc	agctacttgg	169752947
gaggctgagg	caggagaatc	gcttgaacct	gggaggcgga	ggttgtagtg	169752997
agtcaagatt	gtgccactgc	actctagcct	gaacagagcg	agaccccgtc	169753047
tcaaaaaaaaa	aaaacaaata	tatatatata	tatatatatt	ttcaacaaaa	169753097
caacaaaaaac	aatcccagat	attggggcct	tcctaagtat	caggcgtggt	169753147
ggtagaaggc	agcttatctc	cacccttcac	ttgacccaag	aatcaaagaa	169753197
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cccagggagg	tgggtgcagc	ctggccttcc	ctgctgagcg	agctcaccac	169753447
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cctccctgac	acactctcag	gcggtgagtg	cccttctcca	cccctttcct	169753547
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caggctgcca	tttatagata	taaccgaagg	gctccttgct	cgtgatactc	169753847
tgaataagtt	attaagggct	acataattatt	tggaaatcat	aaacaaaactt	169753897
tagcattctt	cccaagggaa	ggtgggaaca	aacaggggaag	gggggccgtg	169753947
gggtcttctg	ctccccctaa	atgagccaca	accaaaaggc	attgacaagc	169753997
cctgtcctcg	aggggtttgtg	ggtgaaaacc	caggctcctt	gctggctgcg	169754047
gggttggtgtg	tgacagatgg	ctacaggtgg	agggaagaa	aataacaatg	169754097
ctgcaacaat	aaatattgac	ggtttgcatt	agtacggggg	gtcagagatc	169754147
acaaaatata	ttctctgact	cttccaacag	cttcttaagg	tactagcaca	169754197
ataggctcac	aatagaccac	tgagggtggag	atttttctac	ccatttgata	169754247
gagggagtaa	ctgagcctca	gagaggtgaa	ataaattgcc	caagcaagtt	169754297
actttgcctc	tctaagcttc	agtttgtctg	tctctaaaaat	agagataatt	169754347
atacctagcc	cctcagtgtt	tttgagggaat	gagagatcac	ctaagctacc	169754397
tgacacatag	tatggagatt	gtcctttcca	aagatgggtca	caccaaatac	169754447
ttcccattcc	atgtgccctt	ttcacagtgt	ggcatcaaca	ctccaccatc	169754497
aagaggggca	ttgatgtctc	ttcccccttca	ccctgggtgg	agcttcgtaa	169754547
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taagtcatag	acgggggctc	gagttcccc	cacacgctct	cgggacatgt	169754647
acctgggaac	cagccaccat	gttgtaggaa	gccgaggccc	cgtgctccag	169754697
ctgacagcct	cagctcagat	ctcagccaac	agctagcaaa	tctcaccggg	169754747
catgggagag	aacaagcctg	cagacagttc	cagccccccag	cctgccagcc	169754797
tcccagctga	ggcctcagag	aatgtggagc	agagacagcc	cacctgctct	169754847
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aatgtttcat	gccccctgct	tttggggtaa	tttgttatgc	agtcatagta	169754947
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gtgatagtgg	taggattaaa	ccagtgaagaa	ttaaaacacc	tgagattgct	169755047
atatggagtg	ttacaggaga	gtttagaaat	gctttatcta	ggtagggcat	169755097

FIG. 10

Docket No.: 2345.2049-005
Title: Human Type II Diabetes.....
Inventors: Inga Reynisdottir *et al.*
Replacement Sheet

ggtggctcat	gcctgtaatc	ctagcacttt	tcgagaccaa	ggcaggcggt	169755147
tcatttgagg	ccagtagttc	gagaccagcc	tggccaacat	ggcgaaaccc	169755197
cgtttctact	aaaaatacaa	aaatttagctg	ggcacgatgg	caggtgccta	169755247
taatcccagc	tattctggha	agccgaggca	tgaaaatcac	ttgaatccag	169755297
gaggcgagg	tcgcagttag	ctgagattga	gccactgtac	tccagcctgg	169755347
gcgacagagt	gagactccat	ctaaaccaa	acaaacaaac	aaaaaaagt	169755397
ctttatctac	tcttaggtca	cacactatgg	cacaaatgga	atagaagggc	169755447
agtgatattg	gagggtat	ttgtttatga	agcacctact	atgtaccagg	169755497
gaatgaccac	atagatatgc	aatacatata	catacacata	cacatggaca	169755547
ttcctctcca	caatccccc	caaaaggcct	tgttctttct	gtaaaagcac	169755597
aaggcaaa	gattttccca	aggtcacgcc	cctagcgtgt	gatgtgatgg	169755647
agcctggagt	gcacctgtgc	ccgctgactc	cacagcccg	ccctgcccct	169755697
ctgtcacc	atgactccct	tgggagcagt	tttcaagaga	ccccagggtt	169755747
cttcagtatg	tctgcttcca	ctgctttcca	gacaccctca	gctcagtcgt	169755797
taccctctc	tggattatgc	acctgcttgt	ttattttaagt	ctttctgaat	169755847
caatatctcc	tctctgctga	cacttgggat	aataagtccc	ataaatcaaa	169755897
ttggcaactg	agtcttgagc	ccctgtgtgt	gcctctctga	gtgctgcagg	169755947
gatgggtgtt	agtcactctc	agtcctagcg	aaagctgtgcg	ttcacagaca	169755997
tcccagcact	tgctatgcag	aggctctgga	tacaccactg	tgccgaggtg	169756047
actcagacac	ggtcccttca	ctgcagaaaa	gcgatgccag	atttcctcaa	169756097
ctacaaaaat	acagaacaga	aagtgaagaa	tgtgttttaa	atgagagaca	169756147
gtaataaaa	gcagaggaaa	taacggtggg	agggttttta	gtagagttga	169756197
gatgacaaa	tataacaaca	gcaaaagtaa	atgccgatat	tacaattaaa	169756247
tggtcacaca	acaagacacg	acaaaaaaca	tggtaaaagt	gttccctgct	169756297
gtgtagggtg	atactcactc	ctttttcctc	tgactctttt	caccatattt	169756347
tcccttgggc	tgatttttct	tcctttatcc	tgccatgctg	ttaacataat	169756397
tgtaaagcacc	tgtaaaatcc	tctttgagag	aaagaggagc	ataaataaat	169756447
aaacagccct	gctgtctgtc	tgtgtggtaa	gggttggttt	tttaaaaaaa	169756497
tgctttttcc	ttagtgcaca	tcacccagc	tctgtgggaa	agtggcatga	169756547
tgtggaagt	cagggagaag	atgaggtaca	gtgttagcct	cactgctcag	169756597
agagagttgc	tgtaagagt	gtggtggcct	tttcaacaca	cataaaggaa	169756647
gcatgtgccc	tctccttcca	tggcacatgt	ctcctctgtc	cttgccctct	169756697
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gcctgtaatt	taacatttat	tcatgtgcat	cctccattaa	catgtctcct	169756897
aacccaagg	taagctctct	aaaatcagg	actggaaccg	ttcttattca	169756947
ctgccgcac	tctagcgcca	ggaggaataa	acaaagatct	tgcggttttg	169756997
ttgtcatcgt	gctttggttt	tcgggaaaaa	aaatctctcg	cttttttaca	169757047
taacagaata	ttataatcat	tttcccatgc	catgaaacat	ttttcttctt	169757097
taaattgata	tattatagtt	tcacagttgt	acataaaaaca	cttttctttc	169757147
ttgaatttta	attatagatt	cgggggatac	acgtgcagg	ttgttgtag	169757197
ggtgtaatgc	gtgatgctga	cgtttgagct	tctattgatc	ccatcactga	169757247
tagagtgaac	atagtaccca	aaaagaagat	tttcagcctt	tgccccactc	169757297
cctccttct	tttggagtcc	ccagtatcta	ttattcctgt	ctttatgtct	169757347
gtgtctaccc	ggggattagc	tcccacttag	aagtgagaac	atgtgatatt	169757397
tggttttctg	tttccgcatt	aatttgctta	gcataatggc	ctccagctgt	169757447
atccatcttg	ctgtaaaagga	catgatttca	tcctttgtta	tggtgtgtga	169757497
atattccaag	gtgtatacgt	agcacactgt	ctttatctaa	tctgctgttg	169757547
ttgggcacca	aggttggttc	cacacctttg	ctattgtgaa	tagtgcgga	169757597
ataaatgtac	aagtgcagg	ctctttatgg	tagaataact	tattttcctt	169757647
tgtgtatgca	tccagcagtg	ggattgctgg	gtcaaatgat	ggttctat	169757697

FIG. 1P

Docket No.: 2345.2049-005
Title: Human Type II Diabetes.....
Inventors: Inga Reynisdottir *et al.*
Replacement Sheet

ttatgttattt	aagaaatctc	caaagtgcct	tccacagggg	ctaaattaat	169757747
ttatatattcc	accaacagtg	taaaagcatt	cccttttctc	tgcagccttg	169757797
ccagcatctg	ttatTTTTTT	acttttttagt	aatagctatt	ctgactggta	169757847
cgaggtgaca	tctcattgtg	gtttaatttg	catttctctg	atgattagtg	169757897
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gactgtatct	ataagcacia	agtttgggga	ccagaaacag	tggatagaga	169758197
tggaacatc	atagaagtgg	gagatgggtg	caggttggca	attgctcaac	169758247
cctgtcccag	gcctgacttg	agccttagtg	agtgagagag	agcaagagag	169758297
agaaagctgt	tgttagggct	tgtgggactc	agaacacaag	aaatgccact	169758347
ttgggacct	cgaagagggt	gtttccactt	ctgcttagct	gtggccttgg	169758397
gcagtggccc	tgacagataa	tggccatcat	tatcatctaa	aatagctgca	169758447
gcaaaggtag	actcctgtgt	gaatcgggtg	ccctaggtgt	gctgcagctg	169758497
gtcacactg	gcaccgtgag	agcctttgca	agccaagtgt	tcaaccatca	169758547
ggagctgaaa	atccaccaca	gtgatgggag	tagctatact	gtggaaatct	169758597
acaaacaata	catatcaggg	cttttgcctt	tttggagagc	tgttttgcca	169758647
gcacaccact	ttagcaggata	cacttcaact	gggaacctg	aggaggtatt	169758697
aggaatgaag	gtgtggacag	gttataggaa	accacaggga	acagtgcctt	169758747
aggggctcgc	aatgttggtt	gagggctgag	ggaagggagc	tctgtccagg	169758797
atcagcagga	gaatcttctt	gagaggggat	gctcccagcc	tggggagacc	169758847
ctcagggaag	gaactgggga	atggactgct	atgctcactc	tcttgggaatg	169758897
tgttgatgaa	aaagccaaac	tctgcaaatt	atTTgaagag	atTTgttctg	169758947
agccaaatgt	gaggaccatg	acctgtgaca	aggcttcaga	aagttctgag	169758997
aacatgtgtc	catggtgggt	gaattacagc	ttgattttat	aaatgttaag	169759047
gagacagaag	ctacaggcag	acatcaatga	atacacataa	gattttacatt	169759097
ggttcagccc	agaaaggcag	gacatctcaa	atggggatgg	attcaaagat	169759147
ttcctgggtg	attcaaaagt	tcaaagggtg	attcaaagat	ttcctgaata	169759197
gcaattgggtt	gaaataatta	agttttgcct	aaagagttga	agtcaacaga	169759247
aagaaccacg	aagggggggtt	atggaaacta	aggttattat	tatatagatg	169759297
aagcctccag	gtagcaggct	tcagaaagaa	taaatgataa	atgtctctta	169759347
ccagacctta	gaaggctctga	ttagactctt	agttaaactc	ctctgggatg	169759397
agaaaaagac	ttagaaaggg	aaggggagtc	tctgcagaat	gtagattttc	169759447
ccacaaaatg	acaactttgc	aggactatTT	caaaatatgt	caaataaata	169759497
tagtttgggg	ttaaaatact	tgtttctttc	agagcctgct	atctgtcatg	169759547
tgatgctata	ctacagtcag	gTtggaattt	ggtattttat	actacaaaga	169759597
gtctgtttgt	catcttaaga	cctctgtttt	aatgtttaatg	ctggtaagtt	169759647
gtgcctgaat	accaaaggga	ggaaggtatt	ttattaaag	gcattgtccaa	169759697
catccccctcc	ccattatggc	ctgaactagt	ttttcagggt	tctttgaaat	169759747
ccccttggcc	aagaggtggg	atccattcag	tcaatcaagc	ggcttagcat	169759797
tctatttttg	gcgtacagac	ccttctgcag	acacctgac	tcctttgggt	169759847
gaatccaact	ggtagacaga	caaagagctt	gttgcTgcag	tccccagtga	169759897
tcagtttcca	gggcagagcc	agctagagag	tgaggagggg	tcaggagggg	169759947
cttacataga	tatcagtcca	tctccctgtg	tatgtggctt	tgggacagga	169759997
aaactaggt	agagcaaaaa	aagagggctt	gagcacatgg	ggactccctg	169760047
caaatcccc	agaaatattt	gtaggggtct	gaaaggTatg	taggtaggga	169760097
ctctaacaat	ctgtaagtca	aattttatgt	ggctaatttg	gagccccagg	169760147
ctggtaagag	ctcaggaaac	tcaggttcca	taaacagtgc	ctcattaaat	169760197
attctttgca	taaaaataggt	tgatgaaaag	agtcaaactc	tgtaaaatat	169760247
ttgaagatat	ttatttctaag	ccaaatatga	gtgaccaatg	gcccatgatg	169760297

FIG. 1Q

Docket No.: 2345.2049-005
Title: Human Type II Diabetes.....
Inventors: Inga Reynisdottir *et al.*
Replacement Sheet

cagccctcag	gagaccttga	gaatatgtgc	ccaaggtggt	cagggcacat	169760347
cttgggtttta	tacatttttg	ggagacatca	atcaaataca	tttaagagat	169760397
ggcttggttc	agtccagaaa	ggtgggacaa	cttgaagagg	gggctgccag	169760447
gttataggta	gatttaaaca	ttttctgatt	ggcaattggt	tgaaagagtt	169760497
ataatctata	gaaagggatg	ttggggttat	aataagagggt	tgtggagact	169760547
gaagttttat	gatgcagatg	aagcctccag	gaagcaggct	tcagagagaa	169760597
tagattgtag	atgtttctta	tcagacttaa	ggtttgtgtt	gacgttaaat	169760647
gctggtcagc	ttttcctgaa	atccaaaagg	gaggagggca	taatgaggca	169760697
tatctggacc	cctctttcca	tcatgacctg	aaccagtttt	tcaggttact	169760747
tttggaatgc	cctggtgaga	gaagggatcc	attcagatgg	ttgggaggac	169760797
cttaaaatth	tatttttggt	ttacgaatgt	ttgcacactt	tttgttatth	169760847
ccctagaata	aagactggac	ctccaagcca	aaattctagg	gcaaaagggt	169760897
tctacattht	taagattttg	gtatatatth	cacaccttht	accagaatac	169760947
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cacataatca	ccaattctta	acactcttaa	atttggaat	atgtgtctth	169761047
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ttatttgtcc	caaattgtga	tcaggaataa	ataagaagcc	cctgtthtag	169761197
accattctaa	ctgtctctth	tctctggcaa	gattcagagg	cccaatcttc	169761247
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ccccacccca	atccctccca	gcctctcagc	atgggcaggg	ggthtttgaga	169761347
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ctttgtgagt	gtgtctactt	gcaagaaatt	agaaggagct	ctacacttgg	169761647
aatgtgtaga	tgtgtctacc	aaaggtaagg	gctattgggt	ttatcaatga	169761697
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aatgcctgcc	tgctcacttc	aatatggagt	cactctagtc	gcattthtatt	169761947
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tagagaactt	gataatacag	aaaagtaaaa	aagggggaaa	ataaaaatca	169762097
atcaagattc	aatatcctga	ggaaaccaca	gtcaaaaat	tagtggatta	169762147
tgthtctaaag	attgatacaa	atcctthtcta	aaaacaaact	taggaatata	169762197
ctatacaatt	taaaatgtgt	tcttattthta	aatagaaaca	ctthccccat	169762247
ttatgtataa	ttgctthttca	aaataccagt	acttcatggc	cctataatag	169762297
tccatcatat	agatatgtca	taaaatgtht	tactatthtcc	tctthctgaga	169762347
catttaagct	atthttccagg	thttgtctatt	ataaactact	ctccagtgat	169762397
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ggthtctaaa	agcatgatca	gagccaaaga	atattagcca	ttaaaagcct	169762497
ctgcctcttc	tctthttctg	gaagcatagg	atctgataaa	atacacacct	169762547
ctgttctgtt	ggtgagccat	gtgagctcag	acaggtgcag	tgatttgccc	169762597
aaagccacat	agctthgtta	gaccagggat	tggaattcag	gcctgtctcg	169762647
acagcctctc	gtgagtgcc	gaaccagacc	aggagtccat	gcttctctgac	169762697
tcctatgcc	tattcttgcc	ttattccttg	cattagtccg	thttcacact	169762747
gctataaaga	tactacccaa	gactgggtaa	thtataagca	ccagaggtht	169762797
aattgactca	cagthtctgca	tggctaggga	ggcctcagga	aacttacaat	169762847
cacggaggaa	ggagaagggg	aagcaggcac	ctcttcacaa	ggtggcagga	169762897

FIG. 1R

Docket No.: 2345.2049-005
Title: Human Type II Diabetes.....
Inventors: Inga Reynisdottir *et al.*
Replacement Sheet

aaaagagaga	gaagcccagg	ggaaattacc	atttataaga	ccatcagatc	169762947
tcatgagaac	tcccttacta	tcatgagaac	agcatggggg	agacttcccc	169762997
catgatccaa	tcacccccca	ccaggtcctc	ccctcaacac	ctgggtatta	169763047
caattcaaga	tgagatttgg	gtggggacac	agagcctagc	catatcattc	169763097
ctctttgtag	aatatatttc	cactagttag	aactctcaat	tactgatcac	169763147
caacatgtgc	caagaactgt	gctaagtaact	tgaactgcag	tatctcattt	169763197
gatacctgacc	ctttgaagtg	gttactgtgg	ttatcctaata	tttatagatg	169763247
gggacactga	ggtggaaaca	cagcatttct	tgtccaaggt	catgatgtta	169763297
gtaccttaga	gccgaaaccc	ccattccttc	ttgtctgagc	agtgtggtcc	169763347
aaacagaact	ttctgtggtg	gtggaaatgt	tctataactt	taagccattc	169763397
gatacaatag	ccactagcta	cctatggctg	ttgagcactt	aaatgtgaac	169763447
agtgtaaagt	gagaactaaa	cttttaacct	taattaatgt	aaatggaaat	169763497
agccacatgt	aactagtgat	attggatagg	tatctctgga	gccttaagtt	169763547
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aatccccttt	tgttacacat	taatgaaaat	gtatgtctgt	aatccataaa	169763847
taataagatt	gctcctgcaa	agctcaaggt	ctacatttac	actcagagt	169763897
aatattatta	tgaacttcac	tagaatcttc	tctgggagtt	ctcagcagag	169763947
caccatctcc	cagaagactc	tgtctctaag	gagggaagt	aaggagcata	169763997
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tgtctataat	cccagcagtt	tggaagacca	agacgagaag	attgcttgag	169764097
cccaggagtt	ctagaccagc	ctgggcaaca	tagtgagacc	ccatctctac	169764147
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ctctgtcaaa	aaaaaaaaaa	aatccctca	taatttactg	agtgccttct	169764347
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gcaacagaaa	tgtatttcct	cacagctctg	gaggccagaa	gttcaaaatc	169764497
aagctgtcag	caggcccggt	ctccctccaa	aggctctaag	gggaaaatcc	169764547
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gctgcagcac	tccaggctct	gcctctgtct	tcatgtggcc	ttctcctgct	169764647
ctgtcagtgg	cttcttctct	cctgtctctg	ataaagatac	ttactgttgg	169764697
atttagggcc	cacccaggta	atcaaagaag	agctcaagat	cctttgttta	169764747
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ccagaaattt	ggacatggac	atatcttttg	tggggacccc	attcaagtca	169764847
ctatactcat	cttattcaat	ctatataaca	actctgagag	ggaggtgaat	169764897
tagccacgat	ggactaactg	ccgcaaccac	cccaagggtt	taatgggtatt	169764947
atacaataac	agggcatttc	taactcgtgg	gaagtccaat	atggatgttc	169764997
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ccttacatcc	cattgggtgag	gactagtcat	gtggtctgcc	cagctgcaag	169765247
ggagtctggg	aaatgtagcc	cctgaaggct	cagtggcttc	tcagcatgag	169765297
tatcacactc	ttgggatgga	ggcaggggga	aagcaccaca	ccttggttgg	169765347
cagctggcca	cggctgccac	agtgtcattc	atttacttat	tcttcattca	169765397
tgtaatcat	tatttcactc	atttttcaga	agagaacttt	gaggctcagg	169765447
aaagttaggt	gatttcactg	tcacagagca	tttaagtcac	agttcaatta	169765497

FIG. 1S

Docket No.: 2345.2049-005
Title: Human Type II Diabetes.....
Inventors: Inga Reynisdottir *et al.*
Replacement Sheet

ttattttatta	aggggtgctg	aattaggtgc	ccctcgttca	cgtacgcctg	169765547
ttccatcttt	ggattttaacc	cactatatga	tttatctata	tgctgcccag	169765597
gaacatgatt	ggtaagactg	atttacacca	cctcccaaat	tgtactttgg	169765647
ctctcagttc	tcctccctct	ctcattttgtc	ccttttgaga	atgggtagag	169765697
agagctagag	ctggaaaggc	aggaggcaga	gaggtagcag	agataagagc	169765747
cagaaaggga	gggggtgaca	gaaagataga	aagaaactcc	acgtgggcca	169765797
gatgtcctag	aaaagttttc	ctagtttgac	atgtatggga	ttttggagca	169765847
gattcagtta	ggaaagattc	aagagcagag	gaaaaatacg	agaaacataa	169765897
ctgagaattg	tgaacatgat	cttcttttat	gtgtttatgg	aaaagcagtg	169765947
actttcttct	gaattttgtt	aaagtccttt	tgtgtgctag	actgtacatc	169765997
ttgactatga	ccccatacag	agggatgggg	ctgtaggcag	catgaccaca	169766047
ggtcccatc	agccatggaa	aggccctgtt	tactcctgtc	atctcctttt	169766097
actctcaaat	gtgccctagt	ttgagtaaat	gaagtggcca	tcctaacttt	169766147
ggaggacagt	ggcttttgag	tgtataggtc	tccttcccaa	ggccaagtgc	169766197
tcctctggga	tggaaagcgt	ggtcagctta	tctctgaatg	ttcaggcata	169766247
gctcaggccc	taatgcatag	cagggtgcca	agaaatgaat	gcagaagcca	169766297
ggaagaaccg	aactatagtt	tgagctcagg	cctttacact	ccaaatgcca	169766347
gattcctcct	actacgccgg	ctttggttga	ggagctcttt	gaacacagtg	169766397
aagcaattaa	agagtgactc	ctggtgtgga	gccacctgca	ctgcatacca	169766447
gagggattca	cagaggggag	ctgcatattg	tagtagaaaa	cagctcctaa	169766497
gcttccact	tcagagcctg	tggggaagaa	gcagagtggg	gctgaggacc	169766547
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tctcctcctg	catctcttgt	gggcaggagg	caggggatta	taatgaggtc	169766647
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agaggaaaaa	taagcttcag	gttttagttt	ttaaaatgtg	cattttattta	169766747
tcagtgtaaa	tagcttaagc	acagtcttaa	aaattggaaa	ctaataaaaa	169766797
atcatctata	attctaccat	ttaataaatg	tactatgtgc	atttataaat	169766847
ttttttccaa	gatttttttt	tccctttgta	aatggttttt	ctgtacatag	169766897
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gggtgacagg	ctagtgacta	tgccatgtgt	ttctcagcag	gctagacgag	169767147
cctgtttctca	tggtgacaag	atgcagaagc	agtagggaaa	gcagaagctg	169767197
caagtcctct	agaggtecaa	gcttgaaact	cacactgtca	cttacaagca	169767247
tttgattggg	ccaagcagat	catgaggcta	gccagactc	agtggggtaa	169767297
agaaagttta	tttcttgatg	gaggaactac	aaaatatgtg	ggccattttt	169767347
gcaatctatc	aggactgcgt	gaagtttttt	acctttccat	ttttaattta	169767397
ttatcgcatt	atgatttttt	ccttactaat	acaaaggatt	catgacatta	169767447
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acataaagat	gacttccggg	tctccagcac	ataaataaag	ctgcatggaa	169767547
catcttgatg	cagacaggta	tttctgtaat	tttgattgtt	tccttgggat	169767597
agactcccag	aagtggattc	aaccaggcat	aaatggtttt	tgatattctg	169767647
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gtggtgcaat	ctcggcatac	tgtaacctcc	gcctccagg	atcaagcgat	169767847
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accttggcct	cccaaagtgc	tgggattatc	agcctgagcc	gttgtgcccc	169768047
gctgagaaga	gggattctca	gcagcagcct	ggactcaggc	atccttgcat	169768097

FIG. 1T

Docket No.: 2345.2049-005
Title: Human Type II Diabetes.....
Inventors: Inga Reynisdottir *et al.*
Replacement Sheet

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ttagtgctctg	tggtcattgt	tctctgacag	tcagttctgt	ggtacataac	169768247
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gtggatcac	agacgagctc	ccatcccagg	ctggctctca	cagtcccttt	169768397
ccacagctgt	gttaccagcc	cctgtcfaat	catgtttcca	tgtgattctc	169768447
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ttttacttcc	tcagttcctt	gtttgtctaa	aacaccagct	aactgataat	169768647
tgcatttata	gttactatgt	tttcctccta	gataacaagc	ttcattgaag	169768697
attttctaaa	aatatattggc	tctaataata	gggaaattgg	gatcaccatg	169768747
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gtaaatgtgg	ccaagttaact	tgactgctct	gtgccttggg	ttttccatct	169768997
ctaaaatgga	cataataacc	catacagggt	tattataagg	attttgacaa	169769047
gaaatggcag	gtagcaataa	ttacacctac	tgaatttaaa	aagtggctca	169769097
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gggtctttgc	acagagagga	atctgcttcc	tgcttagagc	ttggagaacc	169769347
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tggggccaaa	tctgtgccat	gagtgtcaac	agaagatccc	aaagctggag	169769447
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tcttgctcgc	aagatactca	gcctatgaaa	tcctcagcta	atggagtcct	169769597
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ccaaccaccc	aacacgcttc	ctgagggcag	ggcaaaactg	gacattattg	169770297
acagaacaag	tgcccaatct	gaaaatgtgt	cacattcctg	ctcaggttcc	169770347
aaacatgtca	tagcggattt	atgggtgtaa	attatactgt	ttgctcaaaa	169770397
cactacctca	tcttcagtg	cgtagtga	gtgaccttca	aactatgggtg	169770447
gcatcttagc	tataggggtg	tccctcaaaa	agcatgggct	ttgttgaaagc	169770497
acaacttact	ctgctgtgtg	acttaagtca	aataagcttaa	tctctctcag	169770547
cctcaacttt	cccacctgta	acctgggcag	gataaatagt	tttagcttct	169770597
agaacagatt	aagggtggta	atatgagtgg	accatttaga	gtagctcatg	169770647
agataaaaact	caaagtgtag	ctgttgtcat	ttggctgtta	atgttatctt	169770697

FIG. 1U

Docket No.: 2345.2049-005
Title: Human Type II Diabetes.....
Inventors: Inga Reynisdottir *et al.*
Replacement Sheet

gaaatccac	agtagtcaat	agtggatggc	attaattgga	ggaggggaatt	169770747
gtagataaa	agatgggttac	tagatgatag	aaggagattc	aaattattga	169770797
ctggcagaga	actgtttatg	gaagagttct	tggctcgtaa	gagcctcagt	169770847
tagatagagc	agggccattg	gaggagacc	agttgcttga	atgcaagctg	169770897
ttaatcctca	gggaatctcc	atggctcagc	cagatcctgg	tctgtaatct	169770947
gctctcacca	cgggctgact	gaatgagctc	attgtcatgt	aattttaatag	169770997
gagccaggtg	tctgtgattt	ccaagagcgt	gagcagaatc	atcctgcacc	169771047
ccaaactagg	agggggaaaa	acacctcgca	gaagcacact	tgtccctagc	169771097
tgctttccat	gtgtcagaca	gagaggaaat	tgtccaattc	caaatgcatt	169771147
cctatccttc	tcgggcgatg	agagaaagta	attggcatag	tttgagtga	169771197
atgaaggtgg	tggtttgggg	tatttggtat	ttcttattgg	cataaaggaa	169771247
aacttgattt	ttaaataccc	cctggcttct	tgaagaacgc	tttctctgct	169771297
gtcactgcgg	cccttgtaaa	aaaaacctta	gctgaaaaga	aaaaagaatg	169771347
cacagaaaaa	gagcagcaga	gtgaaggctc	agtcaggcgg	tgggtctttt	169771397
tgctgtggta	tttgaaggaa	gaaggaaagt	gctggaggga	aagtcaggct	169771447
gctctgaaaa	catttcagtc	ctggaacacc	tggctctctaa	aggtgccatc	169771497
aatagcacac	actccccagg	cactgcaaag	tgggcaagca	ggtgggggtt	169771547
gccagtgaag	aaccctcagg	gctgcagagg	cgggaggggc	agtacgggga	169771597
gaggctctat	tctagggacc	caacaatcag	tgactgttca	tctccagact	169771647
cagcctgatt	actgatgcac	ccgagctcac	acagacctaa	gaggcagatc	169771697
caggatgtga	acactgggtc	ggctgatgct	caagactgtg	ccattcctct	169771747
gccctcatgc	catctcctga	agttgaaatc	tcaaacttgg	ctgtgtcacc	169771797
actgtcctcc	ttggctggga	gtgggttcat	aattttacaaa	aatccatcag	169771847
gacactcccc	tgggaccacc	tgccttcagg	gtcttgaggc	ctcaaaaagt	169771897
tgccctcagg	gatttagacct	ggggtcacaa	tgtgtgcaat	gtgggtgtga	169771947
actcatgtgt	ccagttgtct	tcagcaagcc	aacaagtcca	agtcacttct	169771997
ccatcccacg	gctttgctct	tgtaaacttg	gaacaaacag	taccccatga	169772047
ataagttcac	agaggcaggg	ttgtgcagta	gtgacacgca	caggctcttg	169772097
aggcagtctg	ggttccaatc	caccctgcc	accaggatcg	ccatgtaggg	169772147
ttgtgtggct	tatggcccgt	tccagagctc	caggccaaga	tgacaagggg	169772197
ggcccagcct	gtgccactct	actaagccat	ggtccctgga	attccaccga	169772247
cagcagggtg	tcttatgcca	gttctacaaa	gtattcacat	gggcgaggcc	169772297
tggccctgtg	tgctgctaag	agctgaggaa	tttggttgag	ttacataccc	169772347
tcagtgtgcc	tcagtgtctt	tccctgtaaa	atgggcaaca	taatgtattt	169772397
ctcctctggg	ttgtcatgag	cattcaaggg	gttaataccc	agaaagaact	169772447
tagatcagtg	cctaaagtct	ggtaaatact	caaaaacaag	tagtaaatat	169772497
ctaagaggct	agctgttagc	atttgactgg	catttttaag	tgtgttttgc	169772547
taaaggccaa	atctgaatcc	atagtgtttt	ccagttttat	atgattttgt	169772597
tctaagatcc	agtgtaaact	tcaggaatcc	tgggcaaagc	catcagagtg	169772647
ctgtgagccc	ctgccagcca	tcccgtctca	tcagcctgcc	ctgtgcaggg	169772697
cctcctgagt	ccccactca	ggggatcaca	gacacagtgc	agggcctcct	169772747
gggtccccc	ctcaggggat	tgcagacata	gcatgggtgc	acctgggtcc	169772797
cccacacagg	ggatcgagga	cacagtgaag	gtgtaccagg	tccccactc	169772847
aggagatcgc	agacacagtg	aaggtgtacc	aggtccccc	ctcaggagat	169772897
cgcagacaca	gtgcagggtg	acctgggtcc	cccatgcagg	gtattgcaga	169772947
cacagcatgg	gtgcaccggg	tccccacac	aggggatcgc	agacatagtg	169772997
cagggggcacc	tgcattgtgt	tcttgacccc	tgaatggaa	taggaaggct	169773047
ggcttttttt	tttttctttt	ttagctcatc	ttctgttttg	gaccaattaa	169773097
aataaaggca	ttttaaatag	gccctgtgga	aagggaactg	aagttgtttc	169773147
cccaggctga	gctctgcacc	agaggtcagg	gcaggattaa	taaggaagct	169773197
ataaatacaa	atcaatggccc	atgtctctgt	gggcaatgtg	ctctgggttg	169773247
ggaggaaggg	agaaaattaa	attataatgg	gaaaatataa	attatttgga	169773297

FIG. 1V

Docket No.: 2345.2049-005
Title: Human Type II Diabetes.....
Inventors: Inga Reynisdottir *et al.*
Replacement Sheet

tcaggataaa	aaggaagaaa	tcagtgggtgt	ctgaatgaat	ctcagtgaat	169773347
ctgtcagaag	agttgtgagg	ttggctcagt	gtaggtgcac	aaagatgcct	169773397
aggaggatgg	tggaacaggg	ccccacacag	acgcaggtga	aactccagag	169773447
tcctgccttt	tactgttagc	catgccccac	ctgtggaatt	cagtgcctatt	169773497
ctgagatgag	agatgattgt	attgttcaga	ttttctatca	aagtaaatat	169773547
agatggtcac	ccacccagtg	aatgtgattt	tagcaccttc	cctggttcag	169773597
accctcccag	gtactggagg	tttagaggga	aacagagcca	gctctatgtt	169773647
gccctcaagg	agcaccacaga	catatcatgt	ggccaagatg	attgcatcca	169773697
agcgatgcta	attgattgca	gccttgcatg	gacctggcca	ggtgctacag	169773747
ctccttggtg	gcacttgctc	acttttattt	catggtacct	cctctccccg	169773797
ctagggggca	aatgtcatta	tgatgcccac	tttacagata	aggaagctga	169773847
ggttcaaaga	tatgagggga	cttcctcaca	gccaatatgt	ggcagagtca	169773897
tggttcaaac	ccaggggttc	gtaccttcaa	agaccaagtt	ctcatccact	169773947
gtgcagacaa	atgttctgac	agaggacagg	caggggacag	agagtgaag	169773997
aaagagagag	attgtgtgtg	tacatgtgtg	cacatgtgta	tggcagtggt	169774047
tctgtgtcaa	cctggaaggc	ttcttgagg	tggatgatgt	tagtggaatc	169774097
ctaaaggaaa	ggtcttaaat	gctacactaa	ggaatttgga	ttttatcaac	169774147
atTTTTTTT	TTTTTTgagc	agaattcaga	catgattata	ccccccaac	169774197
aaatctatat	ttaataagca	actccaaggt	gccagacaat	cttctaggtg	169774247
cagagagggt	tgcagacact	taatataaga	tgtagtctct	gccctttcct	169774297
agcttcagtc	tagctggaga	gatgaaacac	agatttattt	agaagataat	169774347
aagtaacagt	gtcaataaac	caatgccgag	cgccaaataa	aagtacagtga	169774397
gtaggtgagt	ggaggtcaga	agagggggca	gtctgggctc	tgggttggtc	169774447
aaggaaggct	cccagggtag	atggagagag	agaggttgga	ggggttatgg	169774497
aagattccag	aaagggtgca	ctttgagggc	tggggcctag	tgtttggcag	169774547
tactagtccc	cccattgcta	gcagaggggc	tgcccatagc	aagtgcaggt	169774597
gcattgtgca	tgaatgaata	aatgttggtg	ccaatgaaaa	gaaaggacaa	169774647
acgggttgaga	gatgaggcat	aacaaacgga	ctgtgggttg	cagggatgtg	169774697
tgaccactga	gcctctaccc	agcccaccaa	tacagttagt	ttgacttggt	169774747
gccccaccag	tcagatgacc	ttccttggtc	ttccattttt	ttttaggtca	169774797
tgcaggcaca	tctgtgggag	aagcaagtag	actctatagg	ggaaaagcag	169774847
gagaaaagat	gggagaagcc	ttgggtgaca	gaaggaggaa	gccttgaatg	169774897
tgagtccaac	atgttagctt	ttttcctgca	ggcaggaggc	agccattgag	169774947
gcctctggac	attcaagtag	caagaggtaa	atgatttggt	gagattgatc	169774997
tggccctcca	agggggaaa	aggaaaaatg	ctataggaga	gggtttcagg	169775047
aagtgactcc	tgctatttaa	aacgtgcaaa	ccctttcatc	cagaaatgtg	169775097
acttctggag	atttgcccca	agatcgtgga	acaagtgtga	agaaacaaaa	169775147
acaaacaaaa	accagcaaaa	tgccctcctg	aggtccttgc	agtgcgtgct	169775197
tgggttgaga	aaactagaat	gcagctttct	ccagggtgtc	agtgcagagt	169775247
gagggagctt	gctttttctc	tgctgcctct	cacctcaggg	cctctgcacc	169775297
agatgttccc	tctgcctgaa	atgcttttcc	ctgccagggt	acatgggtca	169775347
atccttatct	ttgctgaaat	gcccccttct	cagcaagacc	ttccctgatc	169775397
accctattca	aattttcttc	tgtagcccca	ccccctcatt	tacaccacac	169775447
acctgccgcc	ccaggcacc	agcctcgtga	ctatctgaca	tacccttcat	169775497
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gttggtctgt	ttgcacacag	gcagtatcct	cagtgcctaa	gcagcgctgg	169775597
gcgtagtaag	tgctcagtga	agatctgttg	aatgagtga	tgaagggaag	169775647
gaggaaggaa	tgatggtggg	taaatcggtg	agtgtgtggc	ctacacagga	169775697
cattagcttg	agcaccagag	agcagaccaa	ggcaggctct	tggttcctgt	169775747
gccgacctgc	attgcggagg	actgcggggg	cttggttagat	gaagcctggc	169775797
ctgggtcttt	caggcccttc	tggtgggggc	caggaggcac	agctgcagtg	169775847
gacactttca	aactcatcgt	gcctggccct	ggcactcggg	gggctcattt	169775897

FIG. 1W

Docket No.: 2345.2049-005
Title: Human Type II Diabetes.....
Inventors: Inga Reynisdottir *et al.*
Replacement Sheet

ctgggtcataa	tgacaccttt	ctaaacatag	ctacacaaaa	ttaaaatgtc	169775947
acagtgc aaa	tgctgcagct	gtgtggtact	agaaagaaca	ctaggtcttg	169775997
agtcagaaga	gatggactca	aatcccaa at	atcaagccat	ctctctcctg	169776047
ggtgtgacct	tgcaacttctc	tgagcttcag	tttcttcatc	tgcaagatgg	169776097
gaatggtacc	agtagctgtg	tcacagactg	ttgtgaaggc	cgaggaatta	169776147
agcacggcga	gagatttttg	gaagctgcaa	agcatcacac	attggacatg	169776197
actttttacac	ataaatatgt	aaaaatggtc	tcctgactgc	gtccttggct	169776247
tcctggcctg	ccacatggaa	tgagggcagg	gcctccctct	cagcacagac	169776297
tggtctcctc	caccagccca	gcctccctct	gtcacagtga	gaaggagcca	169776347
ttgacccact	cagaagccac	tcacttctct	cttacatggg	gaaatcagca	169776397
aaccacaacc	atztatgaat	cctgcatgtt	cccctggtct	tgtccaactg	169776447
tatctgctac	cattcctgag	tggaagttaa	aaaaaaaaaa	aaaaaaaggc	169776497
agagcaagtt	gaagatggga	aagaggtgac	ctaaggtgac	aaagagtcaa	169776547
tgtagaaggc	agatatgtct	catcctcgca	gtgactaaga	ttaatgggca	169776597
tggaagtgtca	ggagccctgc	cttaggaaga	actctgagac	tggctccaga	169776647
attctgtaaa	tccaatcaag	agtgttgcaa	tcagttagca	atgtctgcct	169776697
caggcaaggg	agaagaaact	atggtctgta	tgtcatatct	aatattctcc	169776747
cttatatcta	aggtaccctc	tgctgtgaga	catgcaatca	acccgatgaa	169776797
gcttttttagg	aaaaagtcta	ttgtttacatc	aagtttaacg	taaagctgcc	169776847
tccttacata	ttttaaggtc	agcctaaagg	tttctctgca	catcgtgaac	169776897
tatagcaagt	agagatgtaa	acagactgta	gcctacactt	gtgccgatca	169776947
atgagttttg	gccaatcaaa	tgtggccaac	tgtttgaaac	atgttcaaac	169776997
agggcaa atg	ctgagctata	accaacccag	ctgtttctgt	ccctcacttc	169777047
tgttctctgt	gcatcacttt	cctttttctg	tccataaatc	tttttccacc	169777097
acgtggctgc	gctggagtct	ctgagtctac	tctggctcag	gaggctgccc	169777147
aattcaaa at	cattcattgc	tcaattaaac	tctttcaaat	ttaattctgc	169777197
tgaagttttt	cttttatcac	tctattaatg	ctagatgttg	actattgaat	169777247
ggatccaagt	ttcaggaact	tacaaaatgt	gtgtgtgttt	gaaagaagga	169777297
aatcattact	tgctatccct	tctctatcaa	aatctacttg	agcttttcaa	169777347
ctaaaaattc	aatgcgtatt	ctttggggta	taaataaatg	tgctgaatct	169777397
acctgggctt	ttcccactct	gtggcttctt	gtttctatgt	gtgatgcaaa	169777447
aaggaagctg	tggaaatggg	gaggagattc	ttccagggtg	tgggaaggct	169777497
tccaatgccc	agcatgtagt	aggtgctcag	caa atgtttg	ttgaatgaat	169777547
tttcaatgat	gacctcagtt	tctgcataac	ttttcatgat	tcataaatgc	169777597
tgttacctta	gctaagttta	aatgtagtat	tttatctcct	gtcatatata	169777647
tttttctctc	tttttctgtg	agtagacgcc	atgataatca	atcgggataa	169777697
cccacgagga	cgttggtttca	ttctttctga	gtgaggggat	ggggctgata	169777747
gaggaagccg	gggaggggtt	tgccctgctga	tttcttcctg	cttttgtgtt	169777797
tgtgtttgcc	gtctgcctgt	ccctcacatt	tccctcagtg	tgttcctatc	169777847
cttggatccc	taatcctaca	gcccaggact	ttctacaacg	gtactactga	169777897
cattttggat	gggataattc	tttgtctgtg	ggggactctc	ctgtgtgctg	169777947
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gtgagaacca	ctgcttagcc	tccccgggga	acatggctgg	ttccttcttt	169778097
ctgaacagtt	tcagaaggaa	catcaagtct	gcaacaagtc	ttctgacttc	169778147
atggtccaca	ccagtgtcag	gcccaccgtc	ctatcaaccc	tccaggctca	169778197
tgtctccaag	gagctctctg	atcattccct	ggtgtctctc	tcgtttgctg	169778247
tctgccccctc	tccccctggc	tatgagcgcc	acaggagttt	tttctatttt	169778297
gattatctct	ctatccctgg	ggcccagaag	tccctggcac	tcaataggtt	169778347
ctccagtgga	taaaggtgag	gacgaggtga	ctgggggagc	ctccctgtgg	169778397
agtgcagtct	ccatgccatg	aaattgccag	ccctgggaag	tcatgaggaa	169778447
gaacactcca	ggcagagggc	acagtcaccg	cacagctctc	aggcaggaa	169778497

FIG. 1X

Docket No.: 2345.2049-005
Title: Human Type II Diabetes.....
Inventors: Inga Reynisdottir *et al.*
Replacement Sheet

aggtttgcct	tgtggaaggc	tgctggggag	gagaggggag	cgggattgga	169778547
gaaggggtgct	ccaagagcca	gaaaagctag	tcaggaggcc	acagtgaggg	169778597
gtgcaaaactc	agttccagga	gtgacaacaa	gccctctgga	aacctcccag	169778647
atgtcccaag	gtccaccct	ggccactct	cactctcctc	tctccttgct	169778697
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actcctgagg	ctgaagccag	agctgggtgtg	gcccccaagt	catatctcag	169778797
ggtgggagag	agtccttcca	tcaaggaggc	aacgctatga	gggcagctca	169778847
gtgctcagcc	caccctctc	accctcatgg	gcgggccctc	aatcagaaac	169778897
cacaaattcc	aggctcagtc	agggaaggcc	tggatcctcc	acttccggct	169778947
cctcccggaa	gtcagcttaa	agaaatgatg	cggaggaatg	atcactgaag	169778997
agactcgtca	tctctgggtca	aacctatgctg	gagggtcaggg	gtttgttaac	169779047
tcagccttgt	cacagggggcc	ttcccttcca	cctcaatgct	acgacagagc	169779097
tgggtgttgaa	ggtctttgac	gaaaaagcta	catttctgca	tttaaaatgg	169779147
agaagatcag	gccactcagt	atctccgggtg	taagaagaca	tttggcaata	169779197
gtaacagcta	atctttttta	atacttaccg	taactcattt	tacctatttc	169779247
ctgcctagaa	aaaaaaaaag	tgagctcac	tgccagcact	catttcttgg	169779297
ggcaaacagg	aaataagtta	atcttaacaa	caaccctgta	aggtgcatag	169779347
ttttattatc	atccccattt	tacagatggg	gaaactgagg	cagtgaagtt	169779397
tagtaatttt	cccagattca	ctaaaatttc	taagatatgt	ttaacaaaga	169779447
aatccaccct	ttaactctta	aataatatcc	tctttttaaa	attaatgcta	169779497
gaatatggtg	caatatcttt	ttaattgagt	gtatcttttg	ccccagcaat	169779547
tctaccacta	ggaactgagc	ctaaggaggt	ataaatattt	agttagaagg	169779597
atgcagtatt	atttagtatg	tggaactcaa	tgagaatctc	cactaagagg	169779647
ggttatttta	ataaactgtg	atgcctccat	ataaatgtag	ctgttcaaaa	169779697
tgacatctgt	ttgtatgtac	caacataaaa	agacatctaa	atcatatatt	169779747
ttaacagaaa	agtccagaat	aatcacattt	ttgtaagcag	tcattttgtc	169779797
tgaggactgg	gatttctatt	gacttttaag	ttcttatttt	cacgtgtcta	169779847
tagtctctaa	tttttctaca	atgaacatgt	actacattta	taataagaaa	169779897
gaaactcaat	aaaagttatt	gagtaaaaga	ataagcagcc	agaaatctgt	169779947
ctcttctggg	gaattagtg	gcctcttcct	ccctgagagt	agacgctatg	169779997
gctgctttgc	tggaaccctc	catttgtccc	aaatgctcca	ctctctgcca	169780047
atgggagacg	gggtctatat	tcacctggtc	ccttctgcgt	gaggccacct	169780097
tggcagaagt	cactgcccct	ccaaggcat	ctgaccctgc	aaaaccctct	169780147
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tacagatagt	aaaagctctg	ctgccctggc	cctggtttta	aatgccccct	169780247
ggtgttttct	ctatacgcca	ctgacacctt	gatcatgagt	caaatcacct	169780297
gaacatagag	tagcatctgc	ttcctgttga	gaatccaacg	aatacattta	169780347
cctgatttgc	tctctcttct	tttcttaagt	cctaacttcc	taaaataaaa	169780397
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acttctgaaa	tcaacctcag	taatgtttcc	ttcaaataac	cccttcccgg	169780697
ctgggcgcag	tggtcatg	ctgtaatccc	agcatttggg	gaggccaagg	169780747
tgggtggatc	acttgaggtc	aggagttaa	gaccagcctg	accaacatgg	169780797
agaaacccca	tctctactaa	aaatacaaaa	tttagctggg	caggggtggca	169780847
tgcacctgta	atcccagcta	ctggggaggc	tgaggcagga	aaattgcttg	169780897
aaccaggag	gtggagggtg	cagagctgag	actgcaccac	tgcgctccag	169780947
cctgggctac	aaagtgagac	tctgtctcaa	aaaaacaaaa	caaataccct	169780997
cttcccatca	tttctccagc	ccttgccctc	tcaagtcctc	ctgactgggt	169781047
tcccttggct	ccctgcttcc	ccctcagttc	gttatgtgtg	acttctgggt	169781097

FIG. 1Y

Docket No.: 2345.2049-005
Title: Human Type II Diabetes.....
Inventors: Inga Reynisdottir *et al.*
Replacement Sheet

aaaggttctt	aaaatacaat	tcagatccta	tccagtcccc	tactcaaaac	169781147
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aagtatcagc	atcagggaca	atagcacagt	gggcctcagg	atcagctccc	169783647
cggaaaagagc	ttgggggttg	agggggtggt	ggtgctgagg	atgtccccag	169783697

Docket No.: 2345.2049-005
Title: Human Type II Diabetes.....
Inventors: Inga Reynisdottir *et al.*
Replacement Sheet

agaagatgta	cagccatgga	gcaaactcaa	gtcacttatg	atgtcggcaa	169783747
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ggcgtcttct	tgctgtgtct	tcaccgaggg	gtagggacaa	ggcagctctc	169784147
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catgaactaa	tcattttccca	aagtccccac	ctcccaacac	catcatcttc	169784247
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tagtacctca	tgatattaat	agatatataa	caaaacagac	ttctttgcca	169785297
caagacttct	cagtaccttt	aacattttat	gattttccca	aaggacaaaag	169785347
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tggggcaggc	ggattgcttg	agtccaggac	ttagagtcta	gcctgggcaa	169785447
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acaagatata	catgcaccac	cacctagtgt	aagaaataaa	acatcaccaa	169785947
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acagcatata	ggaaaaaattt	tatgaatcgg	tgaacttttt	cattctcaaa	169786247
tgggctcttc	agatggttta	ttaattctgt	tagatgcggg	ggtgcgtctg	169786297

FIG. 1A2

Docket No.: 2345.2049-005
Title: Human Type II Diabetes.....
Inventors: Inga Reynisdottir *et al.*
Replacement Sheet

gctttattct	gtgtggaatt	tttggatgaa	ttcactgcct	cacccccctcc	169786347
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FIG. 1B2

Docket No.: 2345.2049-005
Title: Human Type II Diabetes.....
Inventors: Inga Reynisdottir *et al.*
Replacement Sheet

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gattctgtct	gctgtcccat	cagtactcac	ggggtggctg	tgtctgtctac	169791197
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FIG. 1C2

Docket No.: 2345.2049-005
Title: Human Type II Diabetes.....
Inventors: Inga Reynisdottir *et al.*
Replacement Sheet

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actgcactgc	agcctgggca	acagactgag	actctgtctc	aaaaaacaac	169791647
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cctagtctct	cttccttatt	cttcccctac	atatatatgt	atatatatat	169791947
atattctcat	actgtagggtg	aagcaactga	aatgcttttt	attcccctga	169791997
cactttttgt	ttttcaaatt	ctgtgtgtac	aaatttatgg	gggacatctg	169792047
cagttttgtc	acatgcatag	atttttagt	agtgaagtca	gggcttttag	169792097
ggtatccgtc	cccacaatga	cgtatattgt	acccatcaac	taatttctca	169792147
tcacccactc	ctccccaca	ccctcaccct	tccaagcctc	cattgtctat	169792197
tatcccactc	tctacatcca	tgtatacagg	ttatttatct	cccatttatg	169792247
ggtgggaaca	tgtgatattt	gactttcttc	acctggcttg	tttcaactta	169792297
gataatgaat	tccagtttca	ttccagttgc	tgcaaaaagac	gcctcacaga	169792347
attttaaatg	cttatatata	tacatacacc	ccctttgtat	ttgcctacac	169792397
aaaactaaca	aacctttgtg	aaatgtaacc	tacaggaaat	atgatcatgt	169792447
ctaattgctg	acatgaagca	gatgcaatac	acaaatccat	gaggtagacc	169792497
caggtatttc	agatcctgac	cttgatctca	ggtttactta	ttagaccaca	169792547
gaccaaagac	tcccactgat	gtccccacag	atttcaccac	ttattcctct	169792597
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tgagatactt	cagcgaccct	gctcaccttg	gaaaatcagg	tgacaggaat	169792697
catcagttaa	gcctgtggac	agtaagcatc	tggttggtctg	gatggtgtgg	169792747
tgggcggaag	gtaggaccca	ataggggctt	ttcatgggtc	cagcccaaaa	169792797
cctctgacca	tgccagtgca	tgctgaagcg	ccccattcca	tttatggctg	169792847
gggccacatg	atttacattt	actgtctcag	gttcttcttg	taacactgtc	169792897
ttctccaatt	tttgataagc	caatgcccct	gacacttcta	tgttttgttc	169792947
aaattgttct	acttgcccag	cattctcttc	caccttctcc	agctgtcaaa	169792997
ctcctacaca	cccttcaaag	cccagctcat	gggtcctctc	cctgacaatg	169793047
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cggtatggct	agtgtagcac	ttaacattgc	ttggtgcttg	gtgacattcc	169793147
caaacgttca	tctgtcctca	aggatgggaa	cgctctcatt	tcccatcatt	169793197
taggaagtgc	ttgctaaacc	aaagactcag	cccctcatca	ggaaccagtg	169793247
aaggacagag	ctgggaaaga	gttgtcatgg	gcatggggac	tatgtgaggt	169793297
catacgagc	tcctgggtca	cagaggtgac	ccacgaatgg	tagctgcagc	169793347
ggtgattgtt	gcccctacta	ttactgtgtt	attactgac	tcagcccttc	169793397
tcttaagtga	ccccttcaact	agtctcatag	atgagcggcc	agcctgcctc	169793447
ctggatccca	gaatttgctc	actgtccacg	acttcctgtc	atggctggga	169793497
acattcaggc	aggatctggt	cccactcgta	ggagggggaag	acaaagagtg	169793547
ccatccctcc	aggccctccc	ctcctgcagg	acagatcatc	ctgcctcact	169793597
ccatctgcag	atgctggcaa	agcacattcc	agccctcgcc	tctgaggcag	169793647
agaaacagat	tccaattaag	ggacttgccg	aaagtggctt	cattttacaa	169793697
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tccagttact	caacaattgt	gtggagttag	tgaggagtgc	gcacgaatcc	169793847
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aaaccaagga	tcaggctgct	ggagggcaca	ggatcatctc	tctcctgata	169793947
ggctttcccc	ttctctagcc	ttatgtgaga	atctggggga	ttttaggtgg	169793997
tggtgagaaa	atggggaaag	aaatcacatt	cgttgacctc	tgcttacagc	169794047
tgggatcccc	acgcagctga	gaaatttcca	ggaatttacc	tgggttcaat	169794097

FIG. 1D2

Docket No.: 2345.2049-005
Title: Human Type II Diabetes.....
Inventors: Inga Reynisdottir *et al.*
Replacement Sheet

ggaggaactt	aacacttcaa	gctgtcacct	ggtgggaaaag	ggtggtggca	169794147
agaagtaaca	agatctccca	aatggatcca	accagagaga	aggcctcctc	169794197
atttccttct	cagccaagcc	cacggggggc	ctggaagaca	gaggttgccg	169794247
gggcatccag	ggtctacacg	ggctgagctc	cccagacctg	gtgcaagggg	169794297
gccaggcatt	ccgcceaagg	ctctgccacc	taccagcag	gacccatgag	169794347
ctcagcacct	ttctggactt	gaggagatgg	gtctggtttt	ggccttttcc	169794397
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ctggtgggca	gattccatct	catggttgag	ctgtttggcc	tcaatggcat	169794547
tttatctctc	tctctctctg	tgtctctctc	tttctctttt	tttttttttc	169794597
acattgagcc	atcttcttac	agctgagggt	ttcatataaa	aaagcaagtt	169794647
gctggtttct	ctttaaaagt	agggcaatct	ggcagttctg	ggcttggtga	169794697
aaaacaattc	ggtagagcta	aaaacagggg	cttctgataa	agcctgagct	169794747
cccagcagcc	aaaggactta	tcacccca	aaaaaatccc	ttcctgcact	169794797
catttatatc	aaccctgccc	cctgcagaca	cgtattgtag	gttttaacta	169794847
gaaacaagag	gattagcttt	atttaaacag	caaaaactgct	taaatgagat	169794897
aatatatgta	ttgggaatgg	tgccctggcac	ctaacccta	ccttagttaa	169794947
ttaatattta	ttgagcaaat	catcttgatt	attaaaaaga	caggccagct	169794997
ggacacaata	agaatgctag	ctcagagctg	gcacttgagg	gttcggtaga	169795047
ataattcatgg	cttgagggtg	ggggctatga	tacgagccca	tataatcaga	169795097
gaagttcaga	tgggaaatga	gaaccacttg	gtagcctaaa	ttcagagaaa	169795147
ctaaagccag	cctaacgctc	tgaagctggc	aagtgttcat	ttttggaaat	169795197
cagaaaagtga	tgatgtgtta	tcccaagaga	ctcctgggac	aagatgcagt	169795247
gagcagccat	tcacaaagac	taccttgaac	cgggctcttt	ccctacattt	169795297
tggtattata	tcctcgctac	aaccttctga	ggtggaaatt	aatatcccca	169795347
ttttacagat	gcataaaactg	tctagtggag	gtgacagata	gtattgacat	169795397
gaccagaaga	ataaatataa	atgagataaa	ttctctctga	aggaaaggaa	169795447
tagggattta	caatgggtga	aaacaaagga	agtggggcct	ggtctaagcg	169795497
atcagggaat	gtctctttta	agaagtga	tttaagctga	ggtctaaagg	169795547
attagatgag	tgttaaatag	gaggagactg	ggcaggaggg	aaatcttctc	169795597
catggctctc	aatccagaca	cacaatttga	accacctgag	gttcacaaac	169795647
acaaagaaag	tatcgtgacc	tgatacagtc	ccagtcta	taaatcagta	169795697
gaacccagg	gccgatgttt	ttgtttcttt	ttattttatt	tattactatt	169795747
ttttgagatg	gagtcctcgct	ctgtcaccca	ggctggagta	cagtggcaca	169795797
atcttggctc	actgcaaccc	ctgcctcctg	ggttcggg	attctcctgc	169795847
ctcagctctc	tgagtagctg	ggattacagg	cgcccaacat	cacacctggc	169795897
taattattct	attttttagta	gagatgggat	ttcaccatgt	tggtcaggct	169795947
ggtctcggac	ccctgacctc	agatgatccg	cccgcctcgg	caccccaaag	169795997
tgctgggatt	ataggcatga	gccactgtac	ctggctggta	ccaatgtttt	169796047
taaaagcttt	atggttgaac	cactgaaatg	aaacaaaaag	taaatccaaa	169796097
gctcatatac	tctagccaaa	caatagccat	taatagctat	taagtaaata	169796147
gaggagatgc	tcagtgataa	tgagcaggta	gatcatcagc	atccttgta	169796197
tcaccactac	atctgcctcc	tccagatcat	ttggtagcca	agtccaatgt	169796247
caaaggaata	aaggaaatct	gcctctgttg	agggttgct	gtatgtcacg	169796297
cactatgcta	aattcttcac	tgtttcattt	aacgtttacc	gaaaccctta	169796347
ttattttaca	aatgaggacg	ttgaggctca	gaacaaggca	ccaatttacc	169796397
caggatttca	cagctcatcg	gggcagtggg	ggaccctctt	ccaggcccac	169796447
ctggctgtag	agaccacact	ctttcctgtc	tccatgcaga	ggggcctcct	169796497
gctcacttta	gctcccattt	cccagcctga	ctgccttgat	tgggccgcat	169796547
ttctttgttc	tgacctcaaa	aagagttttg	tagatttggtg	cccacttttc	169796597
tcacacgct	taagaaaagt	gaccaaagct	gaaccaagct	atctaggttc	169796647
aaatgctgct	tactggctat	cgggcccaca	actatctgtg	gaacttcttt	169796697

FIG. 1E2.

Docket No.: 2345.2049-005
Title: Human Type II Diabetes.....
Inventors: Inga Reynisdottir *et al.*
Replacement Sheet

gagcctcaat	tttttgtttt	ctataacatg	ggaataatat	cagtacctcc	169796747
ctcataagtt	tcttatgaag	attaagtatg	tatgtgttaa	gattcatatt	169796797
aagtgagaat	tacgcatgta	cgcataatac	tacaagatta	agtatgtatg	169796847
taagcatata	tatatacaca	cacattttaga	atagagcatg	aaatatagcc	169796897
agtgttcagt	taatgtcaag	tattgtttaat	attatcctat	gggctggagt	169796947
gagaggcctc	ctgggggtgtt	tgctttccag	cccccaatcg	ggtggcatcc	169796997
tggatagggt	atcatcatac	ctctccccag	gagatcagga	tagggaattg	169797047
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gaagctgctg	tctttccttg	tctctgcaga	ctaggagcag	cagccaggga	169797147
cctgggttga	ctgggggacg	ggtcgggtgg	tggggtgaga	tgactatcac	169797197
acctcctcta	aaaacaagat	ggggcctggg	gcgctggctc	atgtctgtaa	169797247
tcccagcact	ttgggaggcc	gaggcggatg	gatcagttga	ggtcaggagt	169797297
ttgagaccag	cctggtcaac	atggtgaaac	cccatctcta	cttaaaatac	169797347
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gccaaggtcg	tgccactgaa	ctccagcctg	ggcgacagag	cgagactcca	169797497
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tcagtcagct	gccagcccac	ggccttggac	gccactgatg	tgagcctgtc	169797597
tgggctgggg	cagaaggggc	cagcgtcagg	tcctcagaca	atttcctcct	169797647
ggtagcctgg	cctgaggccc	acccaaccca	gggagccggc	cctggccagt	169797697
tgcagccagt	accacctggg	gccagcaga	gggcagcaca	ggccacaggc	169797747
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cagacaccct	gcctcatccc	cagcttctga	ggtctttctg	gactctgtta	169797897
gcataatttca	gaggttcaact	gcaaaccaga	aacgggactt	tgagcttgtg	169797947
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ttatggacaa	gccttcaactg	acccttggag	tgatggataa	aatccgtacc	169798247
ccacagggtt	acaggagaag	taagtgaggg	accacgtgca	cggagcccag	169798297
caaggtgctc	aggaaacaat	gctattgttt	ttcaggttac	atcttgggga	169798347
gaccacccag	aggaccttct	ttcaaggaca	ggtacctgga	atttctctcc	169798397
ctttcctaca	tcactcttctt	gttttcatgc	gcagggaggc	caccactacc	169798447
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aagcccttca	ttgaccaaga	ccctggcctc	gtcccaatcc	tctgtaaagt	169798597
acacatgcgt	cttcaatcca	ccctacagga	ctgtggagcc	gagaagatgt	169798647
ggggctgagc	atttaccttt	ccataagttc	tccagggggt	tctgaggccc	169798697
acagaatcaa	agagccactg	ctctaggcaa	tgagatagta	ttctaaaaca	169798747
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ggaatcccca	ggagggaaca	cggaaacccc	gagagctggc	tccgccccta	169799097
gagctgacct	cagtaaattct	gagatgaggc	cagagaaatt	gcatttcgac	169799147
aagttcccag	gtgttgcagc	gcaggtgtgt	gcattgcattg	atgcatgtgt	169799197
acttgtgtct	gtgcccgtgc	atgtgtgtgt	tcccctgttt	tctgctttct	169799247
gcagtggttt	agctcagact	tcctgattgg	ggtcccatcc	ttgaccagag	169799297

FIG. 1F2

Docket No.: 2345.2049-005
Title: Human Type II Diabetes.....
Inventors: Inga Reynisdottir *et al.*
Replacement Sheet

gcccagtcta	gacctagaag	aatactaata	catgcccagc	tgtttagagc	169799347
ccacaagccc	tctcatggcc	cttgtttcca	ggccccataa	cagccccata	169799397
agtttgtttt	aaaagtgcac	ctgtagggga	gaaaagattt	ctttcctcat	169799447
ccatcactag	gttcattggc	gaggcacctg	taacaaaaga	cagactcaca	169799497
agagaaaagc	aaccaagtaa	tttaagtttt	gtgtgacatg	ggagccttga	169799547
gaaatgaaga	cccaaagaaa	caggacatc	tatgtgattt	tttgccaagt	169799597
ttgatgaaga	agcagataat	tgtggagaag	tataatcgga	aaatgggggt	169799647
atgatttgat	ggtaatgacc	taagtggcat	ttggaaggcc	tgtttcttca	169799697
gattcttctc	tgcgtctctg	catcttcata	gagaaggact	ttccttccct	169799747
gtgggtctag	ggaaggcacc	tcttaaata	aggtttcatg	accacttga	169799797
gaataaattc	aggaaattct	tttatggcct	gcttcagggg	agaagggcag	169799847
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gtctgcaggc	cagtcactca	acggccatga	atgtgtattg	acttgtgaga	169799997
tcctccaaac	aaaccttcaa	atctctgctc	acccccattt	gagagaccag	169800047
agatgagcca	agagacatga	agcaaccttc	ccaagggagc	agagccaaga	169800097
tttgaaccag	ggctgttggg	ccagtgaagc	agggcttgaa	atccagtga	169800147
gcacaggtat	cttcctcagc	aggctcagag	acaggaggtg	gaccggccgg	169800197
agcagaacgg	accctcccct	tcaaagcggg	actctgccct	tgagccctga	169800247
gcagccactc	tggacagggt	ccacagagga	aggcaatcct	ccagcccgcc	169800297
atgcttcctc	tgacctcttc	cctctctcag	atggaaactgc	aagaagatcc	169800347
caaaccatcc	aggtttcccc	tacctctggg	cctttgcaca	gccttcagag	169800397
cagccctgag	gtgatctcct	gggccatcag	cacatgaccg	aacaaacctt	169800447
gggcccacaa	gctccttccc	cggagtgggc	tctgaggcca	atcccccgat	169800497
ttcacaccat	tttaccattc	ctagccttgg	tccctccaca	gagccccctg	169800547
tttgctcccc	gctgtgcttc	ctggcaccag	cctcagtatt	tccagaaaca	169800597
catgcagaga	ctcaaggctt	ggaggactgg	ctttatcgag	aggctctgga	169800647
aggctctctg	accccagtg	aatttggttc	tctccgtccc	tccagatgtt	169800697
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tcgtgtgggg	acagcagggc	acactggaga	ggtgaggagg	gtctcctgtc	169800947
ctaggctgag	gagctggccc	agaggcagcc	ctggcctcct	cgccactccc	169800997
ctgaaatcaa	ttcctcatct	gaggagactt	tctaaaataa	aattttaaaaa	169801047
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ttgggtgggg	gtgggagggc	tacacgaagc	tctaaagtca	gcccgtgctc	169801247
tttctcacc	ccaagccatt	gcacagcctg	ctcccttggg	ctagaacact	169801297
ccctgtatct	gacttcgaca	tgtttcttcc	tccaggaagc	cctccctgat	169801347
gccccattcc	ccctccaagg	actgcccagc	atctggagca	ccctgtaccg	169801397
agcggcacac	tgtggtgctg	gaaacatcct	tggtgtactc	ctctgtgcct	169801447
ggacactgca	tgtgggcctg	tccatacgcc	accagaccc	ctcgggtacc	169801497
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taagaatctg	ttgggaagaa	aatattccct	ctctatcaac	ttagatccta	169801597
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acctcccatc	ccccgttccc	tgaccccatg	ccaccagatg	caaataagaa	169801847
ggaaacttta	attccacaaa	ttgaagcatt	tatgaagctc	agcaggcaac	169801897

FIG. 1G2

Docket No.: 2345.2049-005
Title: Human Type II Diabetes.....
Inventors: Inga Reynisdottir *et al.*
Replacement Sheet

ctggcaggca	ggcaggcaca	agtgaggaac	aagggccccc	ggctgggctg	169801947
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tgtgtcagga	gagcctggca	caatgtgggg	gacgggggcg	gggggggtgcg	169802047
gagccttgga	ccacctgggtg	gtctcagctg	ccactccaca	cgtaggaggc	169802097
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gagggggatt	agatcctgga	ggagaggccc	atcccttcct	tcatacaacc	169802447
gggggtatggc	tggctgtcca	caggcgggca	tccccgtgcc	acaggctgag	169802497
ttctgtcttc	cccaaactca	cgtgctgaag	gcaggacctt	gcaatgggac	169802547
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attaggttgg	gccctcatcc	catgtgactt	gtatcttcat	gcgaagagaa	169802647
taagacatag	acacacacac	aaaggtaaga	ccacgtgaag	acacggagaa	169802697
ggcggcgtct	gcaaaccaag	gagagaggcc	tcaggggaaa	ccaacctgct	169802747
gacaccttca	tctcagactt	ccgggctcca	gcactggaag	aaaatgaatt	169802797
tttgtttaag	ccgcccagtc	tgtggcacct	tattatatca	gcctgagcaa	169802847
accaatacac	aaggggcccag	atacctaaac	agaaaagtgt	gataaggcca	169802897
tttaaacacc	aaatacacag	cgggggtccc	agatcccaga	gcagggtctc	169802947
agttatttca	cagatcacaa	aactgaggat	gctgagggaag	ggggcctccc	169802997
caaggccaca	caacaacttg	gaggaaacac	ggaactgaag	gaaattgatt	169803047
cccaggggag	ggcccttgcc	tgacccccctc	ctaggggaga	gtcagaggggt	169803097
ttccaggagc	atgaggatgc	tgagactaca	ggactacaga	tggagggtgt	169803147
ttcatggctg	agtgaagggg	tagaagccag	gcgagtatga	cacaggatcc	169803197
ctcttgacag	aattagaaca	cagagatctg	gagttcccat	catgccccta	169803247
ccacagattc	atgggtgaaa	cttgggcctc	atctgcttat	ctctgaagtg	169803297
cagaaattta	tagcacctac	ctccagggag	agttgggggt	taactgagat	169803347
cacgatgtac	aaacctgtaa	gctgtaaggc	aatggaaaag	tggagggtat	169803397
gtccttggtg	gaagcttccg	ctctggacag	catggaggac	ccaggagtca	169803447
ggctgggctg	ctggctcaca	ggtgttctct	ccccctggcc	caatgccctg	169803497
gttcccattg	ccgtctgagc	tcctcccttc	catgtctctg	ttcttgcttc	169803547
cttccctcgg	tctgccgtcg	ccctttgtca	gtgatcagac	gtgaccatgg	169803597
gtaacaggca	tgaatttttag	tctctgcatg	ctcagggtgtg	taagaaacat	169803647
ggcttccttt	agttcctata	actaaacttt	atthttcagtt	tgactgatc	169803697
ttcctccagc	tgccctccca	gccagcagg	gcctctgccc	tggcagggat	169803747
gggatcagaa	ctcaaagccc	ctttcatgca	accgtgtgtg	cacagttaca	169803797
cacagatctg	tctaaaatct	aactagtagg	aagcagttag	aacttggtgc	169803847
tttgtagaga	ggctttgtga	ttcagataac	agggctagct	ccagggagtg	169803897
tggaaacaaac	gagacccttg	agggcacaga	cacctcagag	cattttgtacc	169803947
tctggtgctg	gggaggggtg	gggggcccac	ctgtgagcct	ctggtgccc	169803997
tgtgcccacg	tgcagggttt	gtatctttgt	gcactttgta	cctctgtgtg	169804047
gcaggcgatc	aatggtgttt	ctatctcagc	cagggactca	ggtgagagac	169804097
tgagaagccc	aggaggcaag	aggcacctgc	agccctagag	cccactgcag	169804147
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cacgcctgta	atcccagcac	tttgggaggt	cacgaggtca	gaagatggag	169804297
accatcctgg	ccaacacagt	gaagccccgt	ctgtactaaa	aatacaaaaa	169804347
aactagctgg	gcatggtggc	gggcacctgt	agtcctagct	actcgggagg	169804397
ctgaggcagg	agaatggcgt	gaaccagga	ggccgagctt	gcagtgagcc	169804447
aagatcgtgc	cactgcactc	cagcctgggt	gacagagcga	gactccatct	169804497

Docket No.: 2345.2049-005
Title: Human Type II Diabetes.....
Inventors: Inga Reynisdottir *et al.*
Replacement Sheet

caaaaaaaaa	aaaaaaaaaa	aaaaagaatg	aacaactgct	gactactggt	169804547
tactacaata	agcatagctg	atactctatc	caggaagagg	aagccaccac	169804597
tcagtgcccc	agccaagatt	gttctcaagc	ttttgtccgt	cccaaacctt	169804647
tatgaagcat	cctcaccac	tgacatgtgc	agtacttaag	acgggtgcacc	169804697
ctggagtcaa	atcccagctt	ggccccacat	gagctctgag	gcccttgagg	169804747
agacagcggt	gcaaagaccc	caggggccga	gtaagcagag	gcctttcaga	169804797
gatcagagaa	aaggccacat	agctgggagc	ctttgtgaaa	ctggagaggt	169804847
catcgggggc	agatcctcag	gggcccagtg	gccctggaaa	ggaatctggt	169804897
cttgtagcta	gaaatggtgg	cattaattat	gtgactttgt	ccaagtcgct	169804947
gtcctattct	gagcttcagt	tttcttgtct	gcaaagggtc	ctggaccaaa	169804997
ccatctagga	tccaccctga	ccctgggcct	tcatgtcagg	ttaaggagag	169805047
acagggcctc	gttctgcgtt	caggatgagt	ttctccaggg	aaaggccttc	169805097
tagctccgcc	ctgcctctgc	tggctctggg	gaccacgcag	gactctcaag	169805147
acactaggtc	actacactca	ggagtttccc	atctctgcca	agacaatctg	169805197
gagaagacat	caccccactt	gagtcatgag	atgtcctcaa	cagcaccttc	169805247
tagagtgcag	atctttttgc	tgctgtgaga	gaggggctta	tgacagaatga	169805297
tattgtcagt	gtagacatgt	ttcacacaga	ggagaactca	ggacagggga	169805347
caggaatgga	ggcaggaact	cgatctatta	gaacaagttt	tctgatgtgg	169805397
ttatgcatca	gggatgtaga	atcctgtgcc	ttcaggattt	ctgggattaa	169805447
agacaatccc	agaaaacagg	cctggacagg	tcttggaatc	agccccaggc	169805497
ctatgttgat	aggggattct	ggggtcctcg	taccacagagc	ctggtctaga	169805547
cagaaggagg	gagtggtgct	tgggtgggca	aaccacacct	ggccctttcc	169805597
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tggcttggtg	caccaccgag	gcacagctga	gtgataagtt	gatgagcagc	169805747
tgtgttttgc	tgccacataa	aaatggctca	ttccccaccc	cccggccctg	169805797
aagtgcattat	ttactgagag	aggcaaccct	actgaacaaa	agcctgctat	169805847
ttattacacg	ttcgggtgaac	acccacagct	tccaatgcat	ggggagggct	169805897
tggaaaccaa	atcaaccttg	ggaaaaggag	gtgcagaggc	caagggtcaaa	169805947
accaattcat	ggaagtggga	agaaagcagg	gctggcctca	accttttcac	169805997
tattagagag	atggccatgt	aaagtagtga	gcctcctgtg	gaaggcatat	169806047
gcaagaacag	gtagaatgat	tatttcttag	gggttttgta	gaaaggattc	169806097
cttacacaca	aaggcacagg	attctacatc	cctggagcat	aactacatca	169806147
gaaaacttgt	tgtaatagat	tgagttcctg	ccaccactcc	tgctcctcgtc	169806197
ctgagttctc	ctctgtgtga	aacatgtcta	gactgacaat	gtcattctgc	169806247
ataagcccct	ctttcacagc	agcaaaaaga	tctgcaccct	agaagggtgt	169806297
gttgaggaca	tctcatgatg	caaatgaagc	agctgcttgc	aggagccatg	169806347
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gaaatgggca	ggaagtggaa	ggaagagaaa	gggagtcagg	cccagggcag	169806447
gggtgggggc	tggggtctgc	tttctccaca	ctgccagggt	ctggtgagga	169806497
cctcccagggt	gggtgtaaat	ttgcaaacc	aaatgggtta	gaagatatat	169806547
ctgttaatgt	agaacatttt	gtatttaacc	agtaattgac	ttgattcata	169806597
actttaagta	tgcatagtgt	gtaagtggac	ctcagtatta	gcttcctatt	169806647
gccactggaa	caaatgacca	gaaacttcgt	ggcttcaaac	aacacacctt	169806697
tattatctga	catttctggg	ggtcagaaat	ccaaaatgac	tctccctggg	169806747
ctggatccgg	gtgttggcag	agctgcgttc	cttctggggg	cctgggggaa	169806797
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gtcaagaccc	agaggattcc	acaggcctac	ccagataacc	cggggtaatc	169806997
ttcccacttt	aaagccagct	gattgacaac	cttaatccca	tccacaacct	169807047
ctgtgaccct	ctgccatgca	aggtaacata	ctcacaggca	tagggatgag	169807097

FIG. 112

Docket No.: 2345.2049-005
Title: Human Type II Diabetes.....
Inventors: Inga Reynisdottir *et al.*
Replacement Sheet

gatgcggtatg	tcttttagagg	gccactgttt	tgcctaccac	agcttccatt	169807147
tggattcttg	tcccaacccc	tacaaaagtg	aggcatataa	tttggtgaat	169807197
tctgaataaa	atgctaccag	tgtctacaaa	ttatatTTTT	tcttttttta	169807247
aaaaaaaaaa	aaaaccttct	tccccaagtc	tggtttcctt	tagacctcag	169807297
gactaagtac	ctgagaagat	ctgcgggcaa	ggatagtatt	gtgattatct	169807347
ggacagaatg	gcattttctga	ttgacattgt	tgcattactt	tggctccaga	169807397
tgcagtggcc	tgagagcaga	aataaaaacc	cctccagctg	cctcagccca	169807447
ccctttgcag	agggagaatt	gagttggggc	cacacggtgg	gaagcactaa	169807497
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gaaagagcac	tcagctaggc	attattaatc	cattttttca	attcagcaag	169807597
tattgattga	gcagctaccc	tgtgccagtg	aggttgaaa	cacaagggtg	169807647
atgaacaagg	tacatgtgcc	tggccgtcac	tggccagctc	tgtcactgca	169807697
ggcgggaact	ttccttccctg	tggggccccag	ggttttataa	tcacatgagc	169807747
acctacacat	ccggtacaga	gccccgttaa	gggggcaggg	cctggcctgc	169807797
ctccttcaat	gttgtctcca	attgcctcag	atgcatgtgg	atgctcatte	169807847
gttgaatgaa	tgaatgaata	gatggctcct	gctgatcgga	gagtcaatga	169807897
ctgtatcagg	ccaactggaa	aagcagaggg	caagccaaga	gaagacttgg	169807947
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ggattcctgg	ggtggcagct	actgtttaca	aagcactttg	ctgggtattta	169808047
ttaggccacg	cagttccctt	ccaagtttcc	tcctgttatc	attctcactt	169808097
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ggctagtaag	tgtcagagct	tggatgtgaa	cctgaatgct	cgctgaggag	169808197
agagcagctc	gcctcccttc	ctcacaggca	catagtcagc	cttcccgaat	169808247
ttcatccggc	aacaattaac	ctctcccttc	tcactatccc	ccgctccctt	169808297
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gccatactac	cgaggttaaa	gaaggtgaaa	gggctgcatt	gggcaacatt	169808397
gttccctcaa	tcctaactct	ttaatcctaa	ttcatcactg	cacactctgc	169808447
tccttccctt	gggtgaagac	agtttgattt	gcccagtatc	cagaaagttt	169808497
gtgctaagac	aagggaaatt	gccacatggc	tctctgtttc	attcagtcct	169808547
tcataagcat	gcagcctgac	ctggagaaa	tgacagtgtg	aaatgcatgg	169808597
agcagctcct	gtccctctct	ttcctaccct	tgagcactct	ctaagcagta	169808647
gctggccgat	acagtgcgcc	aggaagtctc	cctgtagctc	ggccgtcagt	169808697
cattaccctc	actggcagca	cgggacagag	aacgggatat	gttctcccct	169808747
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ttctgaaggt	tgtgtctatt	gagtagtgca	gtgagactgg	gtttgaaggt	169808847
attggactct	tacataggct	atgtgaacgt	gggcaaattg	catcttctct	169808897
ttgagaagtc	tgagctcaag	tcttgctttg	agttattttg	gtactaacct	169808947
ttgaccttgc	tgacaaaaaa	aaaaaaaaatc	acagtgtctg	gtacagctcc	169808997
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tgcccaggct	aaagtacatt	ggtgcaatca	tagctcactg	cagccttgaa	169809097
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acaggtgtac	tagtatgccc	agctatTTTT	atttatTTTt	tttgctgtcc	169809197
atcctgatct	ggaactcctg	ggctcaagca	atcctcctgc	ctcggcctcc	169809247
caaaatgctg	ggattacagg	catgaggcac	tgcaccagc	ctcaacttct	169809297
cccacttcta	tcttctcccc	agttctaggt	gaggcaggac	ctgccacatg	169809347
tccaaattctc	catctgtccc	cagcactcta	ctaaatggct	taactggggc	169809397
ctcacgtccc	tccctgggga	tcctgtgaaa	agacttgtga	acctgctcca	169809447
ggtcctgact	gaaccaaatt	tcctctctct	acatgccgaa	agagtaatag	169809497
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catcttctta	ttcatctgaa	tattctcat	gcctggcatc	acgcctcact	169809647
catagagtag	gaattcaaaa	acatcccagt	aggagctggg	aaagctccta	169809697

FIG. 1J2

Docket No.: 2345.2049-005
Title: Human Type II Diabetes.....
Inventors: Inga Reynisdottir *et al.*
Replacement Sheet

ctgcatgtct	tgtacatctg	ctgtatgcc	gctgggaaag	ctcctactgc	169809747
aagagagagg	caaaccacaa	aggggactaa	ggggaagaat	tgggaggggg	169809797
gcattttattg	ccccaaatga	ctgaattttg	gtcaaataac	aggaccacgg	169809847
gcactcacat	gttcaagtta	tgttcaggaa	tcttcctgtt	ttctttatga	169809897
agcagaccct	acctctcatc	ataaagctgg	aaatgccacg	ttccctccat	169809947
tccagcctct	cttgagccta	tggtagcct	aaatgagcta	gactcagtca	169809997
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gtcatgcaag	ccaccaaatac	agtgccagca	gccaaagacg	gggtgtcttc	169810197
acagggccag	tttcgtcatg	ttatttcaag	ggttgctcct	ggcccgtagc	169810247
ctctgaattt	atttttagttt	ctcagagatt	tcagtgggcc	aacgaatgtc	169810297
acttaatcga	tcccttttct	gcttgaggga	gccagactcc	gtgtttgttg	169810347
cttacaatac	agaccttgac	tgagacaagt	tgtcttgagt	ttccagttga	169810397
agtcaccta	ttccctttca	ccttgaggcc	tttgcacatg	tcatttctct	169810447
cacctggagc	aggcattcac	cctctttttg	tgactggatg	actcctaccc	169810497
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gcactcctgac	cctggatttt	actgtttatt	tctgtgtttc	ctcactattc	169810647
tgtgagctgc	atgaggacag	aagtgcattc	atttcatcat	tgtagtagt	169810697
agttagtata	gttgcccagc	ctattgatat	tgtagaatga	gtggatggat	169810747
tgaactctct	taggccagag	tgatcccca	ctatcactgc	ctggcagcat	169810797
ggagcagctt	cagttttttg	actcagggca	attgccctgt	tccaggaaac	169810847
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gacttgccctg	aggaataactg	accaccaaaa	ggaacaatta	ccagagaagg	169811147
cccatttctt	tagcaatttt	caagaatggg	caagataaaa	agccacaagt	169811197
gaaaaggcat	tgcaaacaaa	taatagtgtg	tgagctgggc	tggacccaac	169811247
aaggcctgtt	tcccaccctt	ctttccctct	ggttgtagt	aataaagcca	169811297
tacttttcag	tgatttataa	ctgttcaaaa	atgactcggt	tccatatctt	169811347
ctttcatcta	cccagcacc	attatgtacc	aaatgcctaa	cagacactta	169811397
aaatatactc	tataattatg	aaaacaacc	tacaaggtaa	ttgttcccgt	169811447
attacagatg	agaacactga	ggctcaggga	gtgtaaggga	cccgtctagg	169811497
gctacgcagc	tgggaagcac	atgcagcact	ctacttcatg	cttaattcaa	169811547
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gcctccataa	gaaagtgtcc	ttggaaatga	gacactagcc	ctctcctgtc	169811647
tcattctgcac	aatatcctat	tgccatctat	ttagaagaga	ggtagtgagt	169811697
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aattagaagc	acctactcca	tacagctatt	gtgctgatac	aatacaataa	169812197
tccacataag	gaacttagaa	cagaacagtg	ccggcggtgt	atgttaaatg	169812247
ctgagtgagc	accagttggg	attagaagta	gcagcattgc	caggtactcc	169812297

FIG. 1K2

Docket No.: 2345.2049-005
Title: Human Type II Diabetes.....
Inventors: Inga Reynisdottir *et al.*
Replacement Sheet

tgagcaatgg	gtcagctaatt	tccactctac	cctcagaccc	caccctcctt	169812347
tgcagttcct	tctcctgctt	tgataactag	aagcagtcac	atagggcctg	169812397
gggtctctac	ttgtaggagt	tcagtcaggg	tggtaggaaa	aattataaaa	169812447
attatagaaa	gactcaaacc	ttcttggaag	gccgggaggt	tttgcaaaaag	169812497
ttttgggaaa	ggatttggtt	gaaggcagct	gaattttctc	agagtaaata	169812547
acaaggaagt	gtaagggaat	taatctagat	aagttagttt	acttaggcct	169812597
tgaaacatgg	cctttaatca	tccatgctca	ggactgctct	cttgggggaa	169812647
aggatcgccc	gacccccac	cccaccctca	ccccaccccc	tgccaccatg	169812697
ttaattaccc	acaagtgtgt	tgactcaaag	cctttgtcat	taaatctgta	169812747
ctgaatatat	gccacagca	ccagcttgct	aaggctgcag	ctgctgactc	169812797
tttacagcac	cctcctcggg	gcctgtgagt	ggcccagtc	cttagccgtg	169812847
cagccaggca	aaaaatctgt	gtctgcatac	atTTTTTcat	ccatcactca	169812897
gccagggtct	gcgggttga	ccccgcactc	actcacaat	caagatgttc	169812947
agttccgcca	cccacccctg	tctgtcttcc	tttctcacag	tcactctgta	169812997
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ctctgaaggg	cttgcaaggc	ctcctgtgtt	ctagctcctg	cctgctatcc	169813147
accacacccc	ctcattcctg	cccctgtaaa	ccccttgtag	ctctcacatc	169813197
tcaagaatta	aagatttgac	ccagttgctc	cgaccacctc	cgccccgatc	169813247
cccagaaaca	gtttccccct	tctctttctc	tgGCCAActt	ctatcggttt	169813297
tcagaatgtc	tcccctggcc	acgcaggatc	ccttccattt	tgaggctgat	169813347
aaaatcctgc	ggatcgcaag	ctgagcgctc	atcacacccc	atcgtgatta	169813397
tctccccctgc	aaggccaggg	gctttgagag	ggtgggactg	tggtgacac	169813447
gttcagtgtc	ccagtcccat	cacctgacac	ttgccataga	gaagggtgctt	169813497
agtatttaga	agagtgtgtg	cgattaccga	gagcatggat	atgaagaagg	169813547
ggatcacaa	cttgaaaaag	tttgttgctg	agaaagaggc	aagcagcccc	169813597
aactgacggg	agctggcctg	gtcctcacag	tttgtctcct	gttgaacaat	169813647
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FIG. 1L2

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Title: Human Type II Diabetes.....
Inventors: Inga Reynisdottir *et al.*
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FIG. 1M2

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cacaatctat	acatctgacc	aaggactaat	atccagaatc	tacaacaaac	169824797
tcaaacaaat	tagcaaaaaa	aaaaaaaaaa	aaaaactacc	aaaaaaaaatc	169824847
atcaaaaaatt	gggctaagga	catgaataga	caatttctca	agaagatat	169824897
acaaatggcc	aagaaaaata	tgaaaaaatg	ttcaacatca	ctaatgatca	169824947
gggaaatgaa	aatcaaaacc	acaatgtgat	accacctcac	tcttgcaagg	169824997
atggccataa	taaaaaaatc	aaaaaataat	agacactggc	atggatgtgg	169825047
tgaacaggga	acacttctac	actgctggtg	aaaatgtaaa	actagtacaa	169825097
ccactatgga	aaacagtgtg	gagattcctt	aaagtactaa	aagtagaact	169825147
accatttgat	ccagcaatcc	cactactggg	tgtctaccca	gaggaaaaga	169825197
agtcattata	cgaaaaagat	acttgcacac	acatatttac	agcagcacia	169825247
ttcgcaattg	taaaaacgtg	gaaccagccc	aaatgcacat	aaagcaacga	169825297

FIG. 1P2

Docket No.: 2345.2049-005
Title: Human Type II Diabetes.....
Inventors: Inga Reynisdottir *et al.*
Replacement Sheet

gtggatatat	atatatatata	atggaatact	actcagccaa	aaaaaggaat	169825347
gaattagtg	cattcacagc	aacctggatg	agattggaga	ctattattct	169825397
aagtgaagta	actcagcaat	ggaaaatcaa	tcatcatatg	ttctcattca	169825447
taagtgggag	ctaaactatg	aggatgcaaa	ggcataagag	tgacacagtg	169825497
gactttgggg	actcaggggg	agaggggtgg	gagtggtatga	gggataaaaag	169825547
accacaaata	tggtgcagta	tatactgctc	gggtgatggg	tgacacaaaa	169825597
tctcacaaat	caccacccaa	ggactcactc	atgtaacaaa	acatcacctg	169825647
ttccccaata	acctatgaaa	ataaaaaaaa	taaaaataaa	atttttaaaac	169825697
taccaaataa	caaagaaatt	gaatttgtca	ttttaaaact	tcccacaaaag	169825747
aacagcttaa	gcccagacag	cttctactgg	gaattatata	gaatatattaa	169825797
attaagaat	taatgtcaat	tcttcacaaa	gtcttctaaa	atgtagaaga	169825847
agaggggaca	ttttccattt	cattttgtga	ggccagtatt	atcccattac	169825897
caaaccatac	aaagccacta	caaagaaaac	tacagaccaa	tactgcttat	169825947
gaatataaac	ataaaaaatcc	tcaacaaaaa	actagtaaac	tgaatccagc	169825997
agtctgttaa	aaagactaac	accatgacca	aataggattt	atcaaaggaa	169826047
tgcaaaagtg	gttttaacatt	tgaaaattaa	ttaatataat	acataattca	169826097
atagaaaaga	gaaaaaaaaca	catgatcatc	ttattagaca	cagaaaaatc	169826147
atttaacaaa	atccaaactg	acgtcatgat	aaaaacactc	aacaaactag	169826197
aaatagagtg	gaacttttctc	aatgtgataa	aggacatcta	ccaaaaatcc	169826247
acagctaata	tgataaataa	tggtaaaaga	ctgaatgttt	ttcctctaag	169826297
atcaggaaaa	atacaaggat	gtctgctctc	agcactttta	ttaaatattg	169826347
tactggaagt	tctagccaga	acaattaggc	aaggaaatga	aataaaatga	169826397
actcaaattg	gaaaggaaga	aataaaaacta	tttccggatg	ataccacctt	169826447
atatagagac	aatcctaaat	aatccattat	tagaattatc	agaactaatt	169826497
aacaagatca	gcaagggttac	aggatataaa	attaaaattc	ctatacacta	169826547
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aagatggcaa	tacttaatat	tataaagtga	tttacaattt	gatttatagg	169826797
ttcaaagtga	ttcgatgcaa	tctctgtcaa	agtttcatag	catttttttgc	169826847
agttatttat	actgcaaagt	gatttacaga	tttaatgcaa	cccgtgtcaa	169826897
aatcccatgg	ccattttttgc	agaaatggaa	aagctattgc	tggaattcat	169826947
atggattgca	agtgacccca	aatagccaaa	acaatcctga	taaagaacaa	169826997
agctagacaa	agtccatctt	gcacttcctg	atttcgaatc	ttacttcaaa	169827047
gctatggcag	tgaaaacatt	gaactgagta	cggtaatat	tatcatctca	169827097
aaacctcaca	acaatgcagt	caagtggaa	cactgtctca	gtatttcaga	169827147
tgagagagccc	aggctcaaag	aaatatgggg	aattgcttga	ggtcagagag	169827197
ctgggtaacc	acaaatgcgg	gtccacattc	agatctgccc	taagtataaa	169827247
gacattgcat	cctctcagcc	actacctaca	ccactcttga	gtttcttctga	169827297
cacaggacct	gtgaacagac	agcccaagac	gcttggaat	catggaattc	169827347
taacccccaa	agcctggctt	agggacctca	tccagcgacc	agacagggcg	169827397
tggtgtgcct	catccacatt	tctgaaagtg	tccactcagt	ggacagcctg	169827447
ctttctagtc	tctgccctac	tggtttgagt	gtggatgccc	agacgggttag	169827497
gaggcaagct	ccagagctcc	catatgatca	cttccactgt	cacctgtgtg	169827547
ccacaagtgc	tctctgtaca	catgctccac	ctgttctgat	gatctttcag	169827597
tctttcaact	tccaagccat	gtgagggatc	cttcaggaa	atgagcactg	169827647
ggacatgctg	gacgctggag	agagatgcag	acaccagag	ctggctgagc	169827697
taacatgcta	cagtttgtga	ggaggagaca	caaaatttca	tacagatgat	169827747
aaaatttttc	tgtacaacaa	acctttgtga	tagatcctac	aatatatcca	169827797
ttattctcac	tagaatgtga	acatgattct	gcaaatccct	agggagaaaa	169827847
cccagcctgc	cccttatcag	aggctataaa	ccacctgttt	ttctttccat	169827897

FIG. 1Q2

Docket No.: 2345.2049-005
Title: Human Type II Diabetes.....
Inventors: Inga Reynisdottir *et al.*
Replacement Sheet

cctccttccc	ttgcttccct	ctcacacatc	agtccttttag	agaaaactga	169827947
gctttttccaa	gctgtttattg	ctcaaagaaa	tgtcttcatc	caaggggaacc	169827997
aagggatgtg	aagggcactg	gcctccgaag	catttgccat	tgtcaacttt	169828047
tattgagcac	ctactatgta	ccaagtactg	tgctaggttc	tgacgacact	169828097
gaagaaacaa	aaaaatagat	acttccta	ctcaagggac	agtccactgg	169828147
tggagtcaga	ccttcatcac	gcacacacac	aaacacaaag	agagagacag	169828197
aaagagagag	agagagagtg	agagagaaat	acatgtattc	agatactgct	169828247
ctgaacctta	tctgggtccg	gagggcagag	aaggcttctt	gaactaggac	169828297
ctaagaaatg	ggaagaaatt	tgctagttaa	gcaggtgttg	ggggaaggtc	169828347
ctcagaagaa	cattctagaa	caagtgcagg	gtcccaagag	ggagggagat	169828397
gggccattcc	tgcaactgaa	agaagacca	tgtttctgaa	ccacatggag	169828447
caggaggaag	cagcaggaga	atccaacagg	gggaggggtca	gaaagcccat	169828497
gtttgttaact	aaccggaacg	atgaatgtgg	tttgggaagac	aagtgaagag	169828547
atgtgtacca	cgggccagat	gtgggagacc	aaggagggga	ctagtgcatt	169828597
tttccagtaa	agaaataata	gtgcttgggg	ctagggagggc	tcaaattgag	169828647
aagaagacaa	gtggggaggt	ttaagagaga	tttctaaatt	aaaatgtaca	169828697
gggaatagt	acagatgatg	catggggtag	agagagagaa	ggcaatgtca	169828747
agagtgactc	ccaaatctgg	cttgcaaa	gaatgaacgg	tgggtgcatt	169828797
cactgagaaa	ggacacccaa	gaggaggatg	tgattagcag	gggagagagc	169828847
aggagttaa	gctgatatgt	agatccacat	taatagtct	agtcagaatg	169828897
tggatacgta	ggtttggggc	ttagaagaaa	ggctctgggg	gaagatctaa	169828947
ccctagcagt	catctgcaaa	gagatggtaa	taaaataaat	acaattttta	169828997
aatggatgga	atttccaggg	aaaaagcaga	gggtgaaatg	agtaaaggat	169829047
ctagggccaa	ggctaaaaga	aatccattat	tagaaacaga	aaaggtgtct	169829097
tagtgcattc	aggctgctat	aacaaagtac	catagcctga	gtggcttata	169829147
aaccacagaa	attcatttct	cacagtctctg	gaggctggga	agtctaggat	169829197
caaggtgcaa	gtgagagtct	gccttctggc	tcatagatgc	tgcccttctg	169829247
ctatgttctc	acatggtaga	ggatgtacgg	aagctctctg	cgacttcatt	169829297
tatgaggacg	ctaattcccat	tcatgaagac	tccaccctca	tgacttaatc	169829347
acctcccaa	atccccacct	cctagtacca	tcaccttgag	ggttaagatt	169829397
tcagtatatg	aacttttagg	gtcacaagta	ttcagtctat	agcaggagga	169829447
atagccaaga	aggatgaatg	aaaatcatac	aaggatgatt	tcatggaagg	169829497
caagggagta	caatgtctca	aataaaccaa	gtcctgagtc	aaacattact	169829547
gagaatgtga	gtgtaataaa	accgagactc	aaaagtaggc	attggatgtg	169829597
atgacatgac	tatcactggg	taccttaggg	agagaagttt	tggcggagtt	169829647
gacaagcaca	gtcagatgga	atgtgtctgg	ggatggcaaa	gatggggaaa	169829697
tgaagatacc	cagtgtagac	agcttctgaa	agcagctggc	cgtgagtcag	169829747
aggtagacag	gaaagtgact	aatacagtgc	agaggtcgac	gttttttagct	169829797
ttattgtatt	taagagagag	acctgagcac	atttaaaatg	ctgatgtgac	169829847
attgtccaag	ctgagaggaa	acaattagat	ctatatgaga	gaaaagaatg	169829897
atgaatatca	ggcaagtatg	gcaaagacca	ccattacttt	tgaccaacc	169829947
caataagaaa	gttggaggat	cttcacaaaa	caaaggtggt	tttggcctga	169829997
gtggggagga	ggaacagctt	ctttactacc	agtggaaaga	aggagaggct	169830047
ggtgcagggg	cagggaggta	gcagggagca	gagggaggcc	ccatccacgc	169830097
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tcttctaacc	caaggaagat	ttagaactaa	gtataggctg	ggcgcggtgg	169830197
ctcacgcctg	taatcccagg	gcttcgagag	gccgaggcgg	gtggatcacc	169830247
tgaggtcagg	agtttagagac	cagcctgatc	aacatggcaa	aaacctatct	169830297
ctactaaaaa	tacaaaaatt	agccaggtgt	gttggcgcc	gtctgtagtc	169830347
ccagctactc	aggaggctga	ggcaggagaa	tcgcttgaa	ccaggaggtg	169830397
gaggttgag	tgagctgaga	tcacgccatt	gcactccagc	ctgggcaaca	169830447
aagtcagatt	ccatctcaaa	aaaaaaaaa	aaaaaaaaa	gaaactaagt	169830497

FIG. 1R2

Docket No.: 2345.2049-005
Title: Human Type II Diabetes.....
Inventors: Inga Reynisdottir *et al.*
Replacement Sheet

atagaagtat	ggaatagaac	tatatctctt	ctattaagat	atttgtgctt	169830547
tgaaataagc	tatgtttaca	cacttgtaat	gtttaagaat	ctgtggcctt	169830597
tcagagtcac	atatgaactt	ttccttctaa	tataaaatgt	ttaacggagc	169830647
aattgacttt	gacatcagat	tctaagttga	aatcttactg	tatttaaata	169830697
agatttgga	cctgtaaaag	aatttaagcc	ttgccgtctt	tagaagttaa	169830747
atgaattaga	tttataacaa	ttacttaaat	atctgagaag	gtttgttaga	169830797
caattgaagt	acttaaaaag	gaattaaaat	atattaagcc	tataaatgca	169830847
gtttacaatg	tttagagcaa	tttaattaaa	aacatttgta	aatgagacga	169830897
aacattttctc	aaaggtactc	ttaaatgtga	ttgttaaaat	ttgctagacc	169830947
tataaataaa	taataagatt	cgtaagctga	atttcaaagc	ttatggagga	169830997
acttggtgcc	atatgaattt	gttactttta	taaattgaat	gttaattttg	169831047
aaaaacaaag	aaacctttca	tcaatatattt	tggcgccctaa	gagctgctct	169831097
tgagggcatc	taattaatag	tttttttatt	atttaaaaaa	tatcattagg	169831147
ccaggtgcag	tggctctctc	ctgtaatctc	agcacttttg	gaggccgagg	169831197
tgggtggata	gcttgagccc	aggagtttga	ggcagcctg	ggcaacatgg	169831247
agaaacctta	tctctactaa	aaaaaaaaac	acacaaaaat	tagctggatg	169831297
tgggtggcaca	ccgctactta	ggagactgag	atgggaggat	cacctgagcc	169831347
caggaggtgg	aggggtgcagt	gagccgagat	cgcgcctcta	ccctccagcc	169831397
tggaagacac	agtgcagacc	tgtctcaaac	aaaatttttt	taatggctat	169831447
aatgaaaaaa	aaaaatcaac	cagtatgtaa	ggaaaaagct	gaagcccttt	169831497
gccccatttc	ccagaggtaa	ccatcattac	aagttccttg	tgtttctgcc	169831547
cagaaatggt	atgtgcataa	gcataagaatc	tctccccagc	cccattttta	169831597
aacaaagaga	tatatctctg	atctaacatt	ctgtactgct	tttgtgctta	169831647
acaagataac	ttgagccggg	tgtggtgggt	catgcctgta	atcctcaagc	169831697
tttgggagct	gagacaagag	gattccttga	ggccagaagt	tcaagatcag	169831747
cctgggcaac	atagtgcagc	ccgatctgca	aaaaaacatg	taaaattagc	169831797
tgagcatggt	ggtgtacacc	tgtagtccca	gctatttagg	aggatgaagc	169831847
aggaggatca	cttgagccca	ggaattccaag	gctatagtga	accatgatca	169831897
cgccctgcac	tcctgcctgg	gcaacagagag	gagaccctgc	ctcaaaaacaa	169831947
acaaacaaac	aaaaaacaa	atatctttaa	aacatgttca	tgtttcccat	169831997
aagaataaag	attaacatcc	ctctctccct	tcctcatcgc	ctttgggggtg	169832047
tggcctcatg	cctcccctct	gggttgtgcc	caaacttctc	tcaagagtgg	169832097
atcctctcac	tgtctctact	tcctgcctcc	ccagctactg	actgtaccaa	169832147
gactgtgctt	tctgagggca	ccaatgccct	ccaccttacc	aaacccgcta	169832197
gaggcttctc	agttctcata	tctcttactc	tccggctttc	aacacgtgag	169832247
ccatcttttc	cttgctgcat	tgcaaagcca	cctttatcta	gcaatgaatt	169832297
cccatttgta	tctgggtcta	tttctggcct	ttccattctc	ttccattgat	169832347
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taaaacctat	actcttgagc	aatgaatgtc	cttctactca	tcctccataa	169832447
ataacaattc	tttcaataga	gcttttctct	ctttcttaat	aagagatagg	169832497
gacagcagag	gttcacgtat	ttcctggcaa	ggcccagaat	gccgttattc	169832547
ttgattgagg	gcagagttat	cagccaggca	gatagtggaa	ttgatatccc	169832597
tgtgtgaaaa	tggaagagcc	aatctgagct	gtcgcccat	tcctacagaa	169832647
ctagctgccc	gtctttgaat	tcccagtgtc	cattcaggcc	tctgcacttt	169832697
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caggaaacct	ttcctgaggc	tcctccctat	gccccacatt	agccactctg	169832847
ggcttccctc	tgccccagcc	cttaacacaa	cagaatcaac	atgcctgtaa	169832897
cagaattgcc	ctatgcccc	tctcccttag	accaccgtga	gctccccaag	169832947
ggcaggacct	gtctctcagc	agacttttac	tcttgttacc	gaactgatct	169832997
tgggtctgcc	cacccggcac	agtgcagcca	aacactgata	ttgggattgc	169833047
agccagagaa	agtgaggcat	ttattgcagg	gcgccaagca	agcagaattg	169833097

FIG. 1S2

Docket No.: 2345.2049-005
Title: Human Type II Diabetes.....
Inventors: Inga Reynisdottir *et al.*
Replacement Sheet

ggcagctcat	gcttaagatc	agaactccct	gatggcttac	aggtaagggt	169833147
ttttaagggt	agagggggag	aggttacagg	caaaatcata	aattaatata	169833197
tggagactat	gtgttggttt	ggcctaaaaa	ggcaaagcat	cttgaagcgg	169833247
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aaaagaacgt	tagctcttgc	ccgtgggcat	gatctcttcc	aggccctca	169833397
gcaagaaact	taggagaaag	catgggtggt	ggagttcggg	cctcagcttc	169833447
cccttatcca	aggctctctg	gcctgcagat	ggcactttcc	atttggtgga	169833497
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gcttggggag	aggagtgcct	ggcaggctcc	taagaggggt	ctgtgctcca	169833747
tctcgcccc	tatcttgaac	tatcggttgg	gtgctctaga	atctgtatgg	169833797
ggtggaagtg	ttcattcatt	ttctgtacaa	aagcaatcaa	tgcttattgt	169833847
ggaaaaccca	aataagagag	ttgctctaaa	caacaccctc	cccagtccca	169833897
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accttttgat	gagttccacc	aggcagacca	tgtcaggaaa	tttcttggtg	169834397
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gcaaaactgc	aagggtggat	tgacgctggg	gcggcgccct	ccccacagtc	169834897
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ctgataattc	attccttttt	atagctgagt	agtattccat	tgtatctaca	169835347
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FIG. 1T2

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Inventors: Inga Reynisdottir *et al.*
Replacement Sheet

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FIG. 1W2

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FIG. 1X2

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aggatgcact	tagacagcct	gggggaattg	agttgtggcc	agaagggaga	169846497
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gagcccaagg	aaagatcaac	ccagcccagc	ccaaggaccc	ccagccccag	169848347
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TTTTATCGTC	CTAAGAAGCC	CAGAAGgtgc	gtaaaatggc	ctgtcccaaa	169848547
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Docket No.: 2345.2049-005
Title: Human Type II Diabetes.....
Inventors: Inga Reynisdottir *et al.*
Replacement Sheet

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caactcagtg	gacatcaggc	cctgttttca	ttcattagca	ggtcagggat	169848847
tccagtgtca	cctgtgccat	gtattccagc	tgatctacct	gcaagcctct	169848897
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caaaattggc	agggcaagaa	gcctagggaa	aagttgcagg	cagaattggt	169849747
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cctgctttta	atgttaattt	ctttgaaaaa	attgccttca	cagcaacatc	169849897
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aaccactgcg	cacggcccag	tcacagtaca	tttttcttgc	cccagaaaaa	169850397
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atgttggtca	tgctggttca	ccttcctcct	tgctccctt	tgactgcctc	169850497
ataaatttcc	actcattcct	caagagttag	cccttctgaa	atatcttctc	169850547
tgatcccacc	tactagaagc	accctgtccc	acctcaaa	gagtcaatca	169850597
ctttattttc	tgtgaacccc	caatataagc	tgatgggtgc	tcctggaata	169850647
gccttttagca	aaagatatata	aaattgccta	atcaacttgc	ttctctttct	169850697
caccaaacca	gcagttctta	aattatgatt	tcagggttct	ttgacactta	169850747
ccccatattt	ttaccatttg	atgtgcttgt	gtttccggga	agagagttca	169850797
gggtttcatc	agatcttcaa	aaggatccca	ggaaggcca	agagccttga	169850847
gattagggct	tctcgaagg	cagaggcatg	cttcatgagt	tccttgtgt	169850897
ccttatgcct	ggtgcagatg	aggtctgctg	gatgagcctg	ggtgatgaat	169850947
gagtagtcac	atgtaggaaa	agtgtccttc	cttcaagggt	tttccatcat	169850997
cactctctat	gaagcagtga	aaaagcaaaa	caaagtaaca	tacggttaag	169851047
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gctcccagca	gcgggtgttc	agagctccga	gaagcaagca	ggcaccacat	169851197
gttggtctca	gaaggtagag	agagactgta	aagtaaacca	aggaaggctc	169851247
cctggggggag	aggccgcag	acatgagcga	agccaagagc	aaggactggg	169851297

FIG. 1Z2

Docket No.: 2345.2049-005
Title: Human Type II Diabetes.....
Inventors: Inga Reynisdottir *et al.*
Replacement Sheet

actcagccag	atggaacaga	gcccggggaa	gggtgtcttg	agtgtgtgtg	169851347
ctggggggag	catccacgtg	agcaaatgcc	aggcctgcag	aggacccaga	169851397
gaagggagag	aatttacaca	cccacagtcc	ctgaagcctg	gagaggactt	169851447
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caggtaaagag	tactgacccc	gagcccactc	gggctctgag	cagaaggaag	169851597
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gatgaatgaa	tgaatgaatg	agaatgaatg	gaagaatgaa	tgaatgaatg	169853847
caccacacaa	agtagcattc	tagcagaagt	gaaaacaagg	ttacctagtg	169853897

FIG. 1A3

Docket No.: 2345.2049-005
Title: Human Type II Diabetes.....
Inventors: Inga Reynisdottir *et al.*
Replacement Sheet

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tgcaaatagt	gcataactca	ctctctctcc	acggaactgt	gagctttcta	169856447
agggccagaa	ccatacccac	ctcatctctc	actgcctccc	tggtgccatc	169856497

FIG. 1B3

Docket No.: 2345.2049-005
Title: Human Type II Diabetes.....
Inventors: Inga Reynisdottir *et al.*
Replacement Sheet

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ccagagcagc	cctgagctgt	gggcacgaat	actaatggat	catgcaaattg	169856797
ccagcctagg	gcaagagtgc	cctggactgt	caattagctc	cccccagcac	169856847
cagctacagt	gccccaaccc	ttcacttgat	acaggccagc	ccaatgcaag	169856897
aaggagcaac	agaaaaagaa	ctcggcttga	aggactgctc	tagtcaaggt	169856947
agtgtgttgt	ggcagcctgg	aaagggatct	tccatgtaga	gtgagggaag	169856997
aagagagcca	gcctggcctc	tcaggaagag	gttcccacag	gcactcttgg	169857047
gaggaaagg	ggtgctcttg	ggggcccagg	taataattgc	tacacgaatg	169857097
ccacggctct	tggaactgct	gcttcacatc	tttccctcca	cctggccatc	169857147
tatgtgccag	gccaccagcg	tacgtcctgt	gttgctcctc	aaaccaagac	169857197
caaagctctt	cacagccact	cttctctgac	ccagtaccaa	ctccatcctg	169857247
ggagggagga	tgacaggctc	cccgccccct	cactcttctc	tcccataact	169857297
gctgttttct	cccagttctt	tctcttccct	ccactgctcc	catctgcttt	169857347
ccttccttag	tggataaaaag	cattaaattt	gaaggcagag	agatcgggtt	169857397
caaaccacga	ctctacagat	cactcaagct	ttgtggcttg	ggcgaattac	169857447
accatgcctc	tgaacttcag	tttgctagtc	tataaaatgg	agaaaagaga	169857497
agtacctgcc	acagtggcat	tgtgaggatc	attttatgaa	tagctaagaa	169857547
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caatcactga	acttaatttc	tactccaagt	tcccattcct	ctcagtggca	169857647
gagaaccctc	aatcagttca	ggatgcccc	tccccagtg	tgcctgaatg	169857697
ttttgggggtg	ggcttacgga	gcatggagcc	tgaagtgggc	tctacctctg	169857747
gtgggcagcc	ctaccattcc	tacagaaagg	caccccaga	ggttctgctt	169857797
cctgtgcatt	ctgtggtcac	tgtgccatc	aggtcgcagc	tggggcctcc	169857847
caggctctag	gagggtttcc	tggaccgcac	cactgttggg	tgcaggggaa	169857897
gattccccct	ctccttaccg	gacttgccca	ggagaggtag	gtcaggaacc	169857947
cctgcctgaa	aaagacacac	aagtcagtgg	ctgtgcaatg	ctcctgctac	169857997
acacagagg	ggcaggcctt	agaggggaac	cctaggctgt	gttcactctc	169858047
ccaggctcca	ctttggaaaa	gccagggtct	gctctcagct	cccacattcc	169858097
gccaaagtct	ggggtttcag	tgccaaacag	gccaccaacc	ctcgaactct	169858147
gcctgagggtg	gaggacaagg	gcaaaccctt	cttgctcctg	ccctccaacc	169858197
agtcacatat	tcttccaggc	ctttcatctc	aaaatccaag	atgtgaccat	169858247
tgtttccgtg	ccacctctgc	cacaggtagt	gaatgccgca	gctcaaattgt	169858297
gcggcagggt	gtgtggtcac	aggaaataac	agaaggagcc	ccggttaata	169858347
tctcagttgt	atgtggcctc	atttttgcag	gccctgtccc	agagtcagtc	169858397
ctcagcacga	gggcagctga	gactcttttc	tccccatttc	cttctctcct	169858447
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atgctgggag	cggagatcct	gggagcccgg	agccagctct	gacatgttca	169858547
gcgggcctgtg	cagggtcagg	ggcatgctca	tcggctcatc	actggcatga	169858597
ttactaatca	tcaggcagcg	gcagggttac	tgttccctcc	tcccctccct	169858647
gctcacttcc	tcagggtctt	caggctgcag	gagccgaaga	gggaaagacc	169858697
ctgcgtgcac	cctggcaggc	tgataatcac	agctgcagcc	cccaggcact	169858747
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gtccctccca	tgtgcatcca	tctctcctat	ctctgagtc	ccagtgaact	169858847
gctgcctccc	tagagaaaca	gtgctagaag	tcagtggcaa	gagcagcagg	169858897
aggacttggg	gctacatgca	gagtgtgagc	tccggagtca	gaccagctga	169858947
gttcaaggcc	agctccacca	tctattcact	gtgacttcag	gaaggttgct	169858997
taacctctct	gtgccttagc	tgcctcatct	ataaaacagg	aaacaatgag	169859047
agtctttcct	tatgggggcta	ttgaaatgat	taagtgagat	caggcatgtg	169859097

FIG. 1C3

Docket No.: 2345.2049-005
Title: Human Type II Diabetes.....
Inventors: Inga Reynisdottir *et al.*
Replacement Sheet

atggcacaca	gtaagaactc	cataaacaga	ggtcaccact	gctaattgcaa	169859147
ttattctatc	acctcaggag	actaaagcag	gggaggaaac	accattgact	169859197
cctggacatt	tacccaagga	gattatggat	ccatgttttg	cacacacttt	169859247
agaaagacaa	ggaattctaa	ccacagcatc	tgtctccact	gcccccgta	169859297
tttcagtctc	acccgtccac	cctcaacctc	accactgtgg	cccggaaatg	169859347
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gattttctcca	ccatgacctt	taccctccta	gtctgatcta	gaccctgat	169859497
cttgccgagt	atctaggact	ttggtgcctt	tgaccctcag	cagcagaggt	169859547
agagagggat	ctcgggtgaag	tctgggatgt	tatagtgact	tgtttatcta	169859597
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gagagcccca	gagccctgct	cagggtgtgat	gaacaggagg	cactcacttg	169859697
atgccctcac	aaagtgtgtga	gtgaatgaat	gaatgagtga	atgaatgatt	169859747
gaatgaagat	tagtgattat	gttaatgacc	tgcctttttc	atgagccttg	169859797
caacctccca	ggtaccacac	taaagcactt	aaatgcttcc	actcatttaa	169859847
tcctcatagc	aaccctaaga	catagcgcta	attattgtac	ctattttata	169859897
gatgttgaaa	ctgaggatca	gtgaagttaa	aggcacacag	ctaagggatg	169859947
aatggataaa	atcctttacc	ataacctttc	ctccttagga	caaagtttct	169859997
tcaccaactg	tccaaggctg	tgtttcactg	gggagagtct	gaaattctac	169860047
accaagcatg	agcatgtgtt	catgcagcat	ggtaactctg	ggggaaaagg	169860097
ttcacagggt	ttatcagata	cttacagttt	gttagaacat	atttgaatcc	169860147
atccatctaa	ccaccctgct	cctttcaatc	cacccttctg	tccaccccca	169860197
gacagccatt	tgatcaatat	tcatgaaata	tctgccttgc	gccaagcata	169860247
gtgctggcac	ccatgaattc	cctggtctcc	agaaatatcc	ttccccctct	169860297
ccctgactac	ccctgcccc	gcctcaccac	acacacactc	cttgaggat	169860347
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gaagcgtgca	gggggaatcc	tcaggcagcg	cagccatcag	gacatgaagg	169860497
gcagagcctg	tgccccggct	tccccggctt	ccgctgcagt	ctacatcagt	169860547
cctgctccct	ccagaacatg	atcaaccggg	acagatgagg	ccatgcttga	169860597
tgcataagga	tgagccaggg	gagagctgcc	tcccaaacc	aagtcctatt	169860647
caaaggctct	ttcttccctc	tggggaggta	ggggagaagg	tccaagcaaa	169860697
gggaactgga	aggggaaagt	gaggcatgga	gtttgtgttt	tctgaatcag	169860747
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atcactttca	gcctcaccct	gcgacctcca	acgacattgc	tgagattgtt	169860847
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tcacttcaact	gttcacacaa	ggtgatacct	ggcttctcca	agcacctgct	169861047
accctgaact	tactgcacca	ctctttcctt	cctagCCTGA	ATGCAATTTG	169861097
CAATGAGGAG	ATGATTTGAT	TTTCTTCAGC	CCTAGACCTC	CAGCTTCCTG	169861147
AGAGCAGgta	ctcttgccct	ttcttgctca	ttattgatcc	atataatttag	169861197
aatagcgcct	ggcaggtaga	tgggtgctta	taaatattca	ttgaataaat	169861247
gaatgaatga	atgatccaat	gagcccaaaa	gcaaataaca	ataaaggaca	169861297
tttgagaggt	gctctacaga	gagacaagtg	ctttcccttt	actttatctt	169861347
acccatttct	cacaacaatc	ccctgacatg	attgggttca	tgtttcacag	169861397
atgaggaggc	taacggccag	gtgtacatac	caggggacat	gggactgggt	169861447
tcatatgagc	tcaggggtaa	atgatgacac	cctttcccct	gccctgaagg	169861497
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agtggcgggtg	gatgggggcg	gtggaggttg	ggatgcaaaa	gcaggaaact	169861597
cggcctttgc	tttctaaaag	ctcccagctc	atttgaggcc	agacttatgc	169861647
atgcagaaca	tttgggaaat	ggtacaagac	agcagcaagc	atagtgtctga	169861697

FIG. 1D3

Docket No.: 2345.2049-005
Title: Human Type II Diabetes.....
Inventors: Inga Reynisdottir *et al.*
Replacement Sheet

attgcacata	atcaggtgcc	aactgcattc	ccttccttaa	ctaactctgag	169861747
tcttttaata	ccagatgggg	accctgagaa	tagatttcct	atcaaacaga	169861797
tgaagagcaa	agatggggagc	cgaggggaaat	gctgtggctt	actcattttt	169861847
ataccctgt	aaccagcat	gatgtctggc	ccacagcaac	aggaataggg	169861897
cagtccacct	tcaataatgg	gccactctat	gtgccaggca	cctgctaagg	169861947
gccccacaaa	catcatgtca	ccaatccctc	acagcaaacac	taccacttac	169861997
taaaggaatt	atgaaagtaa	tccacaagaa	gctgaaagca	gggttcagag	169862047
atcgtactca	tcatgcccac	agtctcagag	taaaggggca	agctcagtgt	169862097
ttgaacccaa	ttctagcagc	ctcccaaatt	aatgctctca	atctgactct	169862147
atgctacctc	tgtgcctgga	aggaactact	gttgctccata	aggatgagaa	169862197
gaaacatggc	taagggagca	ctgagtaggg	aggaaggagg	cagcaggggag	169862247
gaagaaataa	attaagaaaag	aaagagatac	aaagaggaag	aaaggagagg	169862297
gggagggagg	gaaagaacag	ggcttgtgtg	ttacataaac	tcagacaagc	169862347
acatgcatgt	tttaacagga	ttcctgcagg	tctgacaatc	tcactccttc	169862397
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acactggggg	tgcgcatcag	tctgcttggg	atgccttcaa	aaaatacccc	169862547
agtctgggtg	gcttatacaa	cagaaatcta	ttttctcatg	gttctgaaaa	169862597
ctggaagtcc	aagatcaagg	tgccagcagg	gttggtgtct	ggtgaggcct	169862647
ctcaccttgt	gttgcaactg	ccttttccct	gtgtgctcac	atggtatctt	169862697
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cagatcaggg	ccccaccctt	atgacctctt	ttaaccttca	ttagttcctt	169862797
agaggtccct	tcttcaaata	cagccataca	ggggcttaga	gcttcaaacac	169862847
agggattttg	gagggacaca	aacattcagt	ccacaccggg	gtgcatgagg	169862897
gaggggtcag	agctggagaa	agtgcattgag	ctagttcacc	ttccagagta	169862947
aagggagcaa	cagccactga	agctcaggtt	ggatggggct	ggcaaggctc	169862997
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ttgtcactcc	ctctctcccc	atgcagttct	ttgctctctg	ttgcaagttc	169863147
ccaggaggca	ggcagagggc	ctgttatcat	catctttctc	tcttgcccct	169863197
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tttatctgca	aataataccc	atgtcacaag	gcgtccgcag	gaataaatga	169863347
gctattgtgc	atgtaaatat	ctggtacatg	gtagatacat	gaatgaatga	169863397
atattttgtt	aataaataag	tgaatgaatg	aatcttctact	tggcagagca	169863447
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gtagagaggt	aatcagtat	gtaaagcagt	taaaacagtc	cagagggaga	169863647
gacaggcaag	gaaaggaaca	atgagaaaca	aagtaaggag	tgctctgata	169863697
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ggaacagcac	gtgcaaaggc	cctgaaggag	aaccacaaca	cgcattctgag	169863897
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agggaggatt	tgtagaagaa	gccacaggcc	acaaaaaaga	cctcataatt	169863997
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gttcagaggc	agccaattgc	aaacacgtcc	agaagcactt	tgctatttct	169864097
gatctgcaaa	atggagcaag	tcatctgtac	tctgcttctt	cagtgggttg	169864147
tggggaagca	gaaatgagag	gatgacattc	tagccttttg	tgacctctca	169864197
agtgtgtgct	ttatggtcat	tcaggtagca	tgaataattg	cagagcccca	169864247
agggggaagt	agcttgggtg	tcaccagtg	gtatccctga	caagttggca	169864297

FIG. 1E3

Docket No.: 2345.2049-005
Title: Human Type II Diabetes.....
Inventors: Inga Reynisdottir *et al.*
Replacement Sheet

aagacaccca	gggtggctta	actttctcct	cagcaaagag	ctctcctctg	169864347
ttccctgaat	cctggatata	ccactgggtc	ctctagttag	cccaagcttc	169864397
agcctcgcat	gccctcttct	cgaacagaga	aggcaggagg	gaagcaggga	169864447
ccagccccctg	ctccatcttc	caggattcca	ggcctccctg	gcctggacaa	169864497
gccctgagct	ggcagttagg	agagcagagg	ttgtgaatct	ggtgggaccc	169864547
ccagcaggtc	tttctggctc	agtgccctca	tctgtgagca	gGGGTCCCC	169864597
AGGAGACCAC	GACAGAGGCC	TGGAACCCAA	GTTCTAATCC	CACATCCTGG	169864647
CTGGGCAACT	TCAGGCAAT	TTCTAACACA	AGgtaagcct	caatttctct	169864697
ctggggtaat	gatcaggcac	ctgcttaatt	cacaggggtt	tggtgggcat	169864747
cacgtggaca	atgtggttgc	acagcagtgg	gcaatgcaaa	ggaaaggaag	169864797
tatgttagta	agtccccctc	ccctgttgca	caaaacagga	cacatgctgg	169864847
gattgcagaa	aagcaataaa	tgctgcacag	gtgaagaaaa	ctattcaagg	169864897
accctggcca	agtcacaggc	tacctgtggc	cctgagggga	cagctcatgg	169864947
gttggcatta	ggggaagcag	ctctcaaggg	gcctgtatcc	tggggattca	169864997
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tgtgtacaat	agcaatgtct	gtgcggaact	aaggacctgc	gcccataatg	169865197
ttgtgggact	ttctgggcat	gcatgcttgt	ttatgaggcc	atacatccgg	169865247
gtattctgtg	aactgctagc	atggtgtgta	tctgtgtggc	agacagaaaa	169865297
tggctgggtg	ggattgtagg	gggcagcttg	ggcaaaggat	cctcagtgtc	169865347
aatcaaaatg	ggtctcagtg	ggaacccaag	cagctcagac	ttgggggagg	169865397
ggaagctctt	cctccacctt	ccaggagaca	aaccttgcaa	ttcaacacca	169865447
caaggctttg	agtccacagg	cagggacgca	aactttgccc	attgggtgag	169865497
acgccactca	cagaaggga	atggcttctt	aaatctaata	attgcccctt	169865547
caagcactaa	caaccctgtc	ccaggagctg	atggctaata	aattattgag	169865597
ctggaaaggg	agaagaggta	gaaccaagga	ggaaagaaac	agaaaaatga	169865647
gagagcaggc	cgggtggggg	ggctctcgcc	tgtaatctca	gcactttggg	169865697
aggccaaggc	gggtggatca	cctgagggtca	ggagttcaag	cccagccagc	169865747
ccaacatggc	gaaacccctg	ctctattaaa	aaatacaaaa	aaatttagct	169865797
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aaaaaaaaaag	aaaaagaaaa	atgagagtgt	aagggcccag	aggggctgag	169865997
ggctcctttc	tcctccccaa	ctccctgtca	ctagaagggtg	ggccctgcca	169866047
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tcccttgaag	tcgaatgaaa	tcacaatgca	ccacacacag	ggacacacac	169866247
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gaggggagcc	gagtgtgcgg	caggaggggc	gggcggacgg	cggtccccgc	169866747
accgcacgcg	gcgtgtgctc	ggcagcctcg	gcccggcggc	cgctctggcc	169866797
ccgtgtccag	tgccaggcag	gcttcagggc	accgtcctcg	gccctgggag	169866847
agggaaaccgc	cgggcggggt	cctcgcgcgg	ggaagcggtt	ccgaaggctc	169866897

FIG. 1F3

Docket No.: 2345.2049-005
Title: Human Type II Diabetes.....
Inventors: Inga Reynisdottir *et al.*
Replacement Sheet

gcggggagcg	gctagccctg	agtcacctga	tgtgcggggc	tgaagaagga	169866947
agccagaagc	ctcctagcct	cgcctccacg	cttgcctgaat	accaagctgc	169866997
aggcgagctg	ccgggcgctt	ttctctcctc	caattcagag	tagacaaacc	169867047
acggggattt	ctttccagGG	TAGGGGAGGG	GCCGGGCCCG	GGGTCCCAAC	169867097
TCGCACTCAA	GTCTTCGCTG	CCATGGGGGC	CGTCATGGGC	ACCTTCTCAT	169867147
CTCTGCAAAC	CAAACAAAGG	CGACCCctga	aaggtaagcc	accttcttcc	169867197
ttttgttccc	ctgtctgggc	ttgggggtgc	taggcgccga	ggtgggctgt	169867247
gccacctgcc	tcccttagtc	cggactctcc	tctccacgag	gagcccgac	169867297
aggtgcttgt	atccaaagga	gagagaaatc	ggcgggaggg	ctggtgtgaa	169867347
caccagagag	aggagaccgg	agtggacgtc	tgccccagcg	gcaactggac	169867397
ccctctgggg	caccaggtgt	cgggactctc	ctcctgggga	aatctctgag	169867447
agccgaagga	agcggcatgt	tcacaggtgg	gggtgaccgg	attctctggt	169867497
ggaagtgtgg	tgaagctctt	cccattccca	tgacagctgg	cgtttgagca	169867547
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aggtgcagac	ctgcgagtc	cttcatcagg	aagagtgtct	tgtctgcacc	169867647
cccaaacct	ctgcaagcca	aaaggaatca	gctgctgcca	ggggtaaaac	169867697
tcccaggcct	catgtcctgg	tggctccggg	agtcaggagg	agcaaccgtg	169867747
aagggtctgg	tgcgagctga	gcttacatca	aggattaaaa	agcataatat	169867797
cgtggagtct	cttctgcctg	gacgtctgtc	cttcaccacc	tgtccccagc	169867847
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ccatcagagc	ccccatcctg	gatacaggtg	ggagttaagc	tcctacccta	169868147
caggcctgat	agtgagtaga	agtgtaatgg	ggtaagggac	cccaagtga	169868197
caataagtct	cctcttagaa	cttggttggt	ctcaccctgt	ttagaaccac	169868247
agagatctcc	ataagtaagc	tgtccttgaa	acccctgga	agaaggggtc	169868297
ccagcttctg	gccagctcc	caggggcac	aggctggctg	agccccgagg	169868347
aaagagatct	ctgggtgcag	atcttaggtg	ctgaagctgg	gttggcattt	169868397
acatcctaga	acataggaag	aggctttggc	ccatttgtcc	agctgagtta	169868447
catgtcctgc	tggcaaggaa	gggactgggt	gtcctgttac	cagtcctgac	169868497
cagaacaggt	ctgcaaagct	cagcccaagg	ccttgacatt	ctaagcctca	169868547
cctctcacag	atcctgggat	gctgcttgac	tggggacaat	tttcagcgcc	169868597
aaatataggt	cttctccctc	atcatctgtc	tgaccacccat	gcggtctcag	169868647
aggccagggg	actgtgggga	caggaaagtc	aggggcttgt	ttttaaatat	169868697
tttcaatgcc	tgtggctctc	ctgggagctg	ggtgtcacag	aaagatctca	169868747
agccctagag	tcaagtggag	tctgggtgtg	aatcccagct	ccatcactcc	169868797
ctgcctctgg	gaccttagga	aagtcccccg	cacctcccta	agcctcagtt	169868847
tttcatccat	gaaattcgta	tgctacttcc	cggagggaag	ggtatgtagg	169868897
aagtagagga	aggggaagact	ctgcctcata	tactgtgttg	gctgcagcca	169868947
ccagggaccc	agaggaagtt	gttgtaagga	tgtgagaatc	aaatgaatga	169868997
tgaataggga	gctccgtgca	tagggctggg	aaaagagtaa	gagctcagac	169869047
attgctgtct	accatttctc	tctcctgccc	caaacatcca	ggaattcacc	169869097
ctggatgaat	tcctgcagga	ttcccagagt	acaaaggtct	ttgcttctgt	169869147
ctcctcggat	tctaagaaac	agaagagggg	gtactggcat	tcagtgtgtc	169869197
cctactgtgt	gcttgccata	atgctcgggt	ttttatcaac	aactctcatt	169869247
taaccctcac	aacaatgttc	gtttgaggct	catagcaggt	tcggggccaa	169869297
tgggtggact	cccaagacaa	gctatcgaag	cactgggcac	tcagcccttc	169869347
ctgcacaaag	cccactggcg	tgagttgtcc	aggggtccag	ctgcatatgt	169869397
tccccaggt	atttgcccc	gaagcacagt	catctcactg	ccttgcatag	169869447
tggaatgcta	atcagcagaa	gacccttcta	tgggaggcag	cttggaacc	169869497

FIG. 1G3

Docket No.: 2345.2049-005
Title: Human Type II Diabetes.....
Inventors: Inga Reynisdottir *et al.*
Replacement Sheet

tggaggaagc	cctggctgag	gaggctagt	gtcagggagc	ctatcctggc	169869547
caggtcactt	ttccccactg	gggcctcgg	ttcttctttg	ttaaaggaga	169869597
aacttacatt	aggcatttcc	tcaggttcca	tttggttctc	aaattcta	169869647
atTTTTatgg	ttgatgctct	caccagagct	gctgctatga	tctcagagac	169869697
gtgaggctca	gatctaatta	gaagcaaccg	gaagagagca	gttgggattt	169869747
ttcaactcag	gaatcagtct	ccctgctggg	ttcaaatcca	ggctctgcca	169869797
cttactagct	gtatgactaa	gccttgTTTT	cctcaactat	aaaacagaga	169869847
tagtagtagt	taccatctta	aaatagctgt	tgtgttgtgt	ggatttcaag	169869897
gatcatgcaa	gtcaagcatt	tagcacagtc	tctgctacat	aagtggtcag	169869947
caaatttgag	gtactattca	atTTatggct	ctattgtttg	gggcttccaa	169869997
atgtccagag	taaggccatt	ttcgaagtag	gcagtacatc	tgagagcctt	169870047
aacagctcat	ttctggaaac	cttatccagc	cctatccaga	taactaggac	169870097
caaaaacccc	agcacacaga	tgctcgtccc	ttgcttcaac	cctcactgac	169870147
cttactctg	tggcttgTcc	tgaaaacatc	aaagcctgct	caattaaaa	169870197
cctgaatgcc	ttgataatac	aatttagaaa	catacatagt	ttttaaatag	169870247
ggcaaaaaact	ctgcatgatt	agtgtgtcaa	gaagatatcc	agcccaacct	169870297
gggtgttcag	ggagcgtct	ctaaaggcaa	cagaaatcta	aagtaattta	169870347
agagccatgc	cactgaataa	aaatattcag	gttcatttcc	tgtccttctc	169870397
tctgtttggg	atctttgtgt	gtctttaatt	aaaagtagga	gagccctgct	169870447
tttgggattc	agcctctgca	tcccagtc	agatagaatt	tctgactcta	169870497
gcagttttgc	atgtgcatga	cacaccaagg	acactgctcc	tggccttgaa	169870547
tgggtaagt	agacaggcta	gggcattgag	gagaaccaga	ggaggaccat	169870597
acaggtgcag	ctgctgggct	tgtcagcggg	gcaggagaat	ttagggacaa	169870647
catcactaga	ccaaggccat	ctcaacagag	aattgcctag	aagcaaataa	169870697
tcccacacta	caggggtggc	tgggttagaa	atcctccatg	accgagtga	169870747
agcatgcaga	actttctgaa	agggtgagc	tccggatctc	cagaatagtc	169870797
atagcatagg	tgagctatga	ctcaacccca	tggctatcag	atgctttttc	169870847
taaggccaca	cggtgagtta	atagggtact	gggttaata	gggccaacaa	169870897
tgggaatgtt	ccgtagatgc	ccatatttgc	tcctagatca	atgagcacct	169870947
cagggaaactt	atggaagcag	agtgtacctg	atgagactgg	gtttagggtt	169870997
tattgggtcag	ggcagcattt	tcaacctaaa	gatatgggag	agtgacaaga	169871047
gacagacagg	catagagaag	cagtagccgt	gttgtcacat	agtcctgagc	169871097
ccaaggggca	ggcctttggc	aagtcatttc	accttgtaaa	tgctagtttc	169871147
tttatctgca	aaaggagaat	cctgatgtat	agaaatgttt	gtgcttttgt	169871197
ctttacccat	ctttgcatct	ttgcctgtcc	ctttaattct	ataatgctct	169871247
cccacccac	cccttgctgc	cttgtcta	agttaaaatt	ccaccgacat	169871297
tccaagacct	cactcagcaa	tttccatatt	caggaagcct	tctccaagcc	169871347
ccagagagaa	gtgatttctc	ccatctgaat	tcccataattc	ttttaagggtg	169871397
tacattttct	tatgactcac	aatcgcgctt	ggaattagac	aatcaacgga	169871447
ggtgttaacc	ccctttcccc	accaccagag	gtcaggggtt	ttgggggtag	169871497
gagctcgtct	aactcatcct	tcacaactct	ctgcttggtt	ctgtgcacat	169871547
agtaggtact	taataaaaa	tttccatagag	ttaaactata	ataatggaat	169871597
ggttggtccac	tctccattat	ttgctagaat	tgcagaccct	gcaggaaaag	169871647
ttagcttccc	accggaattt	cagttaccag	ccctctgcca	ggaatgaatt	169871697
ctgttggtcg	gtctgctggc	tttgaattga	ctttgtccat	gaaatgtacc	169871747
gaatctgttt	accatttagc	aggaaagtgc	tgagaacagt	gattctactc	169871797
ccactccctc	ataatcacia	aggtatgagg	aacccacacc	cagcaccagg	169871847
cacagttctg	gtccctcaat	cccagaagaa	gctcaatgga	gctcaagata	169871897
aacagaaaga	gagagatgga	aaagaatgga	agacagagga	gaaggactta	169871947
ctgcctaaaa	tcagtgggat	tgttttgact	tggtctctgg	aaaagggcca	169871997
aggcttagac	ctctttgtct	gcctggaagg	gccttgctcc	atgaatgctt	169872047
tgtaaattctg	taagtgaata	agtgagcata	tgctttaaca	aataagtga	169872097

FIG. 1H3

Docket No.: 2345.2049-005
Title: Human Type II Diabetes.....
Inventors: Inga Reynisdottir *et al.*
Replacement Sheet

aagatgaatg	attgaatgaa	tgggggaagc	agtaaaggag	tgaatgaatg	169872147
aagcaacaaa	tgaattatca	actgaatgac	agaaagaatg	atcgaataaa	169872197
tgaccacatg	aatgaatgaa	tatgtccata	aatgaatgaa	tgatgaagtg	169872247
ccagaacagc	tataattaac	agcctatctt	ttcacaagaa	gcattgatag	169872297
tcattctccc	aaagttgaaa	aatatataatt	cagtcaagaa	gagtcctggt	169872347
aatttttttg	atactggtag	gtgtatagtg	tcttttgaga	aggtgaggag	169872397
atgtctctaa	gttttctact	ttttgctgaa	acaaaagcag	ggactgactc	169872447
acagtgattc	cccttgtctt	cccttatatt	tcaggttcgt	tcacccttgc	169872497
ctgggtgaga	tcagaatctg	tatatattatc	cactcattta	tttgttcact	169872547
tagccagtc	cacaattgtc	cttcagcatt	gcttccctgc	ctaagatcca	169872597
ctctggcttc	ctcatcctcc	ctcttcctcc	atctcctcat	tcacctggcc	169872647
aactcctact	tatctttcaa	ggcctcattc	aatgccaccg	ctctgggaag	169872697
cctttcctgg	cttctgtagg	cagagcacat	ctctgccttc	tctctttccc	169872747
catagctgct	gctgcttccc	ttaactacaa	ttctgaacac	actatgaggt	169872797
tgtcattatg	ggtttacaca	tttatctctc	tgactagctt	tcaggcactg	169872847
agtcttatcc	agggcctct	gtcaggcctg	acactgcac	caggcctgat	169872897
ggatgctggc	ggcattggag	taaggatgga	tggggccagag	tgtgcgttct	169872947
tgatggctct	gagcgggtgtg	agaatgcggc	ggtgcagatg	aggaatccag	169872997
gtctgctcct	ggggagaagc	tctgcaaaat	tctgcataat	ggcgtggag	169873047
ctgatgttcc	cattcatcag	gcagggaagg	aacagttttt	agaaaagaga	169873097
gagagagcct	aagagtccta	gggccttcag	agaaacatct	ctttaaatgc	169873147
ttccccttcc	tccgggtagt	attttaaata	ggtcaccttc	tggaagtagt	169873197
ggtagtcagt	tgggatattg	ctagcttccc	gtaccccagc	catgggagta	169873247
gtactttgga	ttaaatcttg	ttattcaagg	ccagactaaa	agcctcattg	169873297
gtgcgggtgg	gggaagtagg	aaccacattc	cactcaaatc	aggaagctag	169873347
aagtaggatt	gcattatggc	tatgagcacc	gcgttaaaat	aagagtcttg	169873397
ggattgaact	ccctttcatt	ggttcatagc	tgagccttcc	caggcctcag	169873447
tttctctctc	tataaaatgg	ggacagtggg	ccaggtatgg	tggctcacat	169873497
ctgtaatccc	agcagtttgg	aaggtcaaag	tggcacagatc	acgaggtcag	169873547
gagttcaaga	ccagcctggc	caatatggtg	aaaccccatc	tctactaaaa	169873597
atacaaaaat	tagccgggca	tgggtggcatg	ctcctgtaat	cccagtcact	169873647
caggaggctg	aggcaggaga	atcgcttgaa	ccgaggagac	ggagggttga	169873697
gtgagccaag	actgcaccat	tgactccag	cctggatgac	agagcgagac	169873747
tccgtctcaa	aaaaaataaa	aattaaaaaa	tggggacaat	gacagtgtct	169873797
ccctataggg	ccacgtgagg	gccaagaagg	aattgaacat	ggtgctgcac	169873847
accaggtgag	ttggcagtg	tggctttgct	gctgcctttt	gtcccatctc	169873897
aggacaggcc	ccttccttct	gccttgctcc	acttggtatga	tgacggtgtt	169873947
acccttggtg	atctccccat	ccctttgagc	tgtggcctct	gattccagcc	169873997
ctctgagatc	ccgagccacc	atatccatgg	tcactggcat	tctaagcagt	169874047
ttctctgggtg	attcctaagg	gaagctgtca	actttagatg	gtaaaagcaa	169874097
ttcccaacag	tgaggtatga	aaatgcaggt	accccgccag	gaaggataat	169874147
aatactagct	caaatgactc	tggcctccac	ccagtgccag	gcaccttgct	169874197
cggctctttc	ctgtgttatt	ttattaaccc	caaccctgga	ggacaagatg	169874247
ctattacagt	tctcattttg	cagttgagga	acctgaggct	ctaaaaaggg	169874297
aagtgcctta	ctaagggtca	tagagcttgg	gaatcgcaga	gcctggttct	169874347
ggttgatccc	agaccctgag	cttctaactg	ccatactaac	ctcctctcct	169874397
cctggctttg	cctctggaac	cttagggacc	tgagtagaaa	aacagtcaaa	169874447
acgggtgcat	ggatgttggg	gagaaggcat	tcaaggatag	actgaagcac	169874497
ctcattagcc	acacggaaca	actgagctac	gtgcaggccc	tgagcaaaat	169874547
gcttttagcc	ccatcccaac	cccgcctccc	cctagatctg	tttccatttc	169874597
atctgacact	gtggaagcct	gaatatgaaa	tgattggggg	cagaaggcca	169874647
attagcaaat	tcattaatag	gattaaacat	ctctcctctg	ctctaatacat	169874697

FIG. 113

Docket No.: 2345.2049-005
Title: Human Type II Diabetes.....
Inventors: Inga Reynisdottir *et al.*
Replacement Sheet

ttatgtgaac	taaaatttttc	tctcttttgtt	atagccatca	ttgcctgtca	169874747
gtgaagatag	agtgttttaa	tatcttccaa	gtatgttaga	attgcaaacg	169874797
ttcagaacca	gggaccagga	tcagagtttt	cacacggtcc	aggtgggcaa	169874847
ggagatcagt	cggttttacaa	gtgggttatca	ctgctaagaa	aaaaacacaa	169874897
gaacttgcta	gtacatttgc	aagtacctta	ctgctcatct	cctttctctc	169874947
cttagccaca	tgttggtccc	aatcacctgc	gtatgttata	cggttgttat	169874997
gagcatacac	tcctgggttag	gcagacctag	aattcaaata	ctggctctgc	169875047
aactcattag	ctgtgtgaca	ttgagcaggt	tacctcgctt	ctgtgaactt	169875097
tcatctctac	ataatctaga	aaatgaaagt	attgttgata	attccctccc	169875147
aggttgttat	gaggattaaa	tgcagtcatt	catgtaagat	gcagcggcca	169875197
gcactcagaa	tgcgctaaag	gtaaaattgtt	actatctggg	tctactccac	169875247
ttaaagtgtg	ctcctccaac	caacagcctc	agcatcagtt	gggagcttgt	169875297
tagaaataca	gagtcctggc	caggcgcggc	ggctcacgcc	tgtaatccca	169875347
gcactttggg	aggccgaggc	tggcggatca	tgaggtcagg	agatagagac	169875397
catcccggct	aacacggtga	aaccccgctc	ctactaaaaa	tacaaaaaaa	169875447
ttagccaggc	gtggtggcgg	gcgcgtgtag	tcccagctac	tcgggaggtt	169875497
gaggcaggag	aatggcgtga	accaggagg	tggagcttgc	agtgaagcca	169875547
gatcgcgcca	ctgcactcca	gcctgggcga	cagagcgaga	ctccatcttg	169875597
gaaaaaaaaa	aaaaacctca	actcagttag	acctaccag	tcagaacctg	169875647
cattttaaca	agatcaccag	atgggtttata	tgccactgg	agtctgagga	169875697
atactggcct	aaagtacaga	ttatggaact	atgtgtattg	tattacacaa	169875747
aattatatat	caagccagaa	gaggcttttg	ctaagacttc	tgatttaagc	169875797
ctcattttac	aaataagaaa	atagaatcca	gagaagggtga	gtggtttgcc	169875847
cacaatcaca	cagctcaagt	gttaggcctg	acatccgaac	cccagccctg	169875897
gtcatctcat	ataaattgtt	aagaagtcag	atttccagat	ttgcatttct	169875947
gcaatcaagc	ttgtctgttt	ttctttctct	ctctttcttt	ttaacaacaa	169875997
agaagtgcag	gatgatgtac	gcccattaag	ttttagttta	ctcattttta	169876047
atgttattcc	agccaacaga	gacctgaat	cttgactcca	ccagccatca	169876097
tcttagctgt	acctccaagt	tttctgctac	ctgaagaaat	gataaggagg	169876147
cattctaggt	ctttatctaa	gttgcttcta	agaacatggg	ccagaacagg	169876197
gtgcaggaca	gagccatgtg	gactgcaact	agagacttgc	ctgcataatg	169876247
gatttcaact	ataatgttca	gaatcccaga	gcaggatggc	agcctgggtt	169876297
acatacagag	cctttgtgtg	ggatttgaag	ccagaaaatg	tgactaaagt	169876347
aggagtctaa	acagacacag	gtagggcctg	gggaatgaaa	gtcaaatgcc	169876397
ttttccaggg	ggtctagtag	gacctctctg	ttggtgggga	tccccaaaaa	169876447
aagtaatctt	tttatttttg	taggagtcct	gtaatgggtt	cattattatt	169876497
ctcactttgc	agagtaggaa	acgtagatgc	agggaggttc	ttgattggct	169876547
agtgattagt	aagcaaggac	ttgaagtgga	tctgattgcg	aggcactcca	169876597
ccacctgggc	tcctgcctgc	agctggaggg	catatccagg	acaagcaagc	169876647
ctctgagccc	caggaagagg	ctgagcagtt	acagctagtt	tcccaactcc	169876697
caggaactga	aaatgacagc	ctcctcttgg	ccccatcagc	tcctcaccca	169876747
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gtccaaattg	tgcactcagc	aggggtgtct	tcaggaggct	tccccaccca	169876947
tcgaaatcag	ggcagcaagg	ggctccccct	gtcttcttcc	ctctttgcat	169876997
acatccagcc	ctgggctgat	taggactcta	agccctgtag	gccctgacac	169877047
taaaataatc	aggtcctccc	accactgccc	cgccctgcct	caccccacca	169877097
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gtctgccaaa	tttggatttt	tcccatgttg	actactttag	tgacttttct	169877197
gaaataaaat	gtgcttttcaa	aacacaattt	ttgatgcctc	tactttgcta	169877247
gtgctttaag	catctcttga	gtgtgcctgt	gaggattttc	agcattggag	169877297

FIG. 1J3

Docket No.: 2345.2049-005
Title: Human Type II Diabetes.....
Inventors: Inga Reynisdottir *et al.*
Replacement Sheet

ttggaaccag	acaggaaaaag	gaaagaaacc	gatctgtatc	gggcacctgc	169877347
tgcatgccaa	ggactgtgca	aggtgttgac	aaaataacaa	cagtaacaaa	169877397
cataacattt	aaatcgtcct	tgtgacattt	atatagcaat	ctgtgccaaag	169877447
taccactcta	agcgctttcg	gtacattaag	ctaattttaat	cctcacaaca	169877497
accctatgtg	gtaggtagtg	tgattattcc	catgtaacag	atgaaatctc	169877547
acactatgag	agacaggcac	tgatccccct	attttataga	tgaggaaact	169877597
gaggcttggg	aagaagtgc	ttgcccaggt	gccccgatgc	ctggtggaag	169877647
aacagtgttc	acaccagctt	tggccacttc	caaagccctt	gatgttgaca	169877697
ctccaaatgc	aggcctcact	catttcctag	aagcgcctta	tgatttgata	169877747
tgtcctcagg	gtgcattata	agaggaggga	ggaaaacctg	ggactacaat	169877797
gagcattgaa	tcttgtcctg	atcttctcag	ggaccctctg	tcattcccga	169877847
ttgcctattg	catctgttct	cacctgggtac	taccattccc	tcctccctgg	169877897
tttttccctt	gctaagtgc	cactctatac	gttggtccat	atcatgtagc	169877947
ctctgctgga	ggcaagtctg	gttcccactc	gccttccctt	gaagaagaag	169877997
ctgctggaaa	attagagtta	tgttggacac	agtccttgtc	ccaaggaac	169878047
ttctctctgg	tcataatcat	tatattaaca	gcaaacctat	agcatgctat	169878097
gtgctagaca	cttttagcaac	ttggttttat	gtaagcctta	cagtatcccc	169878147
aggaagtgc	cactattact	agaccctttc	cagatgagga	cactgaagac	169878197
tagagggcat	aagcaaagt	ccaatgtctc	acttctcata	agtggaaaag	169878247
ccaggattcg	aaccagatg	gtttgcctcc	agtgcctgca	tgctgaatca	169878297
ctggactagg	ctggacctga	gcatttagag	gacattatag	attatgtaac	169878347
actgtgggga	ttcagaggat	ggagaaagca	cctctatctg	aggggcaggg	169878397
gctggagaat	tagagaagat	ggccgaaaga	ggcggcatta	gagctcaaca	169878447
aaagagctag	gggttggccc	aggcaagaat	gtaggttagt	gaagtcttag	169878497
gcagaaggaa	caggataagc	aaagtcacag	aggcaggcaa	caagaagggg	169878547
aaagaaatga	aaactgacag	tgatgttttg	tatgcttgtg	acttggagga	169878597
tgtaacaga	aagaggatgc	catcagaagt	gggaggcaag	gagcagagtc	169878647
aggctgtcca	gttcaggag	aatgggacaa	ggtcctagga	ggtagtagac	169878697
agcaaggatg	aggaaagcac	caagcaagta	gggatcgaga	ctgtgccctc	169878747
tcagcaccac	ccttgtcccc	ctaagtgtct	ccccgtgatc	actgcagctt	169878797
acatttgatt	cctccttctc	ctctcccagg	gaacttacta	tttgtcccca	169878847
tgatttagcc	tttgattacc	ttgaactgtt	ctatcatcat	tcctgtaaa	169878897
cacgcttgac	tctccagcaa	gagtgacctt	tcctcagaga	cctggacctt	169878947
tctttcttcc	cttctcagca	tcttcgagca	tcccaggaca	gtactgggca	169878997
aaagactggt	acttggtgac	ttgaactgat	atttcacaga	gatgcacaaa	169879047
gacttgggat	tccttaatta	gaattcatgc	ggcagagaaa	cttgggcatg	169879097
actttgagga	tctccccac	ccgccaacag	catattcaca	agatacgaac	169879147
atcaaagatt	gtggcttggg	gtgaaaacat	agcacattgg	aggccattcc	169879197
ataacagctt	agagctgatg	aagagaaaaa	gatattggtg	gttgggtgaa	169879247
atagaactga	aggccagtcc	tagcttaccg	tttaggagct	gtgtggtttg	169879297
aagaaattgt	ttagcccctt	tctgcatatc	agcttcttca	tctgttaaac	169879347
aataacaatc	atggtatcaa	ttcattggat	tgtcatgagg	attagtgaga	169879397
taatatgaat	gtgttttagta	agctataaag	cagtgcatac	gtggtgggga	169879447
tcagtattag	atgacaataa	tggatcatagc	aataataatg	attttgatag	169879497
tggtggtgat	gatgtttgtg	atggtggtgt	gatggtggtg	atggggatgg	169879547
tgttattcgt	ggtggttaatt	attatattat	ggatgtgtga	gtctgttttc	169879597
acactgctgt	aaagaactac	ctgagactgg	gtaatttatg	aagaaaagag	169879647
gcttaactga	ctcacagttc	tacaggcttt	ccaggaggca	tggctgggga	169879697
ggcctcagga	aacttacaac	tgtggcagaa	ggctaaaggg	gaagcaggca	169879747
tattttcaca	tagtggtagg	acagagagag	agcaaagggg	ggtgtgctac	169879797
atacttttaa	acaaccagat	ttcatgagaa	ctccctcact	atcacaagaa	169879847
cagcttgggg	gaaactgccc	ccatgatctg	gtcacctccc	accttgtccc	169879897

FIG. 1K3

Docket No.: 2345.2049-005
Title: Human Type II Diabetes.....
Inventors: Inga Reynisdottir *et al.*
Replacement Sheet

tcccccaaca	ttattaacta	cagttcaaca	tgggatttgg	gtgaggacat	169879947
agaggcaaac	catatcaagg	gataatattg	ttgatgatgg	cagaggtggt	169879997
ggtgacagta	atgacagtag	gggcttcatg	gcaataatga	tgatgatgat	169880047
ggaggattac	aatattagtg	gtaatggtga	ttattatagt	ataggtgatg	169880097
ttgattataa	gggtggtggt	ggtggtgaca	atggtgatgg	tggtagtgat	169880147
ggtgatgatg	atgataatag	taatgatggt	gatatggtag	tatgacagcg	169880197
atggtggtat	ggtggtggtg	gtgatgatag	tgacggtggt	gatgatggtg	169880247
atggtgatgg	tagtagtgat	ggtggtgatt	atggaggtgg	tgatggtgat	169880297
aatggtaatg	atggtagtga	tggtggtggt	ggtagtgatg	atggtgaagt	169880347
gatagtgatg	gtggtggtta	tggaggtggt	gatggtgata	atggtaatga	169880397
tggtagtgat	ggtggtggtg	gtagtgatga	tggtgaagtg	atagtgatgg	169880447
tagtggttat	ggaggcggtg	atggtgataa	tggtaatgat	ggtagtgcag	169880497
gtggtggtgg	tagtgatgat	ggtgaagtga	tagtgatggt	ggtggttatg	169880547
gaggtggtgg	tgacgatagt	gatggtggtg	atgataatag	taatgatggt	169880597
ggtgtggtca	taatgatagt	gatggtggtg	gtgtggtggt	agtgatagtt	169880647
gtgatgaaag	gtggtgatgg	tggcagtggt	gatgatagca	gtagggctga	169880697
tggtggtgac	agtggtgatt	atatagtgat	gtaagtagta	gtgttggttg	169880747
aaggatgata	gtggtagtgg	tgtcaacagc	actggtgaat	ttaaggcaat	169880797
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aagaataaga	caaatacagc	catgccttca	gatttcttct	cttattcctg	169880947
gttggtactt	tcagaatcat	tttaatgtaa	gctgctttct	tgacatttgc	169880997
attccagcac	gtggcacagt	gccatggctg	gtacatcgtc	aagtcttcaa	169881047
taaatatttg	tgaaatgaag	ggatgaactt	gcagaaagac	acaggctggt	169881097
ctcttggtatg	aactcatcag	agttaaatgt	ttcatctttg	aagataacgc	169881147
gggggttatc	aggcacatca	gaatatacct	gcattaacac	tattgccagc	169881197
atgagcaatc	cgataacctg	gcaggttggg	aagatttctt	ggcacctaca	169881247
ctgcccctgg	aagcccccg	atgtcagctt	ggcctggccc	ttgtaccac	169881297
cactttgccc	tcagaggtag	ggtctgttct	actgggattc	tgtgctaact	169881347
gatcacaggg	aacagtgggg	aaaatggcct	ctcccaccgg	ctgcttctgg	169881397
agagtccaag	cctccctcct	cagtgcacct	gctgtgcggc	aggaatgaga	169881447
ggcacatcct	ggctctggag	atgttcttct	tggcagcaag	tcctcccaa	169881497
tggcaggagg	gattacagaa	gtgatttcag	gtgccagtgc	ctccacagcc	169881547
caccacccct	ctgctctagg	caagtccagag	gcacctgtag	agcctctggt	169881597
ctttgtgtgt	ggaaaaggaa	taatctcgca	ccagcattat	aaggttctca	169881647
tggttttttag	gggtgtggca	tatagtggag	gctccgctaa	tggcagcagc	169881697
tattaatatt	ggtatcattt	attatttcca	ttactagtgg	agacattgag	169881747
ctgatatatg	ggtcaataat	gatagactag	agactttgtg	tgtctctttg	169881797
gtggaacatg	tgtggcttgg	attcaccttg	aatccccctga	ttctggcact	169881847
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tgagatagat	agatggcctg	caggcatttg	ggttcaaagt	ctgttctgct	169881947
gaataaggaa	tacgatttgg	ggaccaaaca	cccttggtat	taaatcccag	169881997
acttggtttt	ccctggtggt	gtggccctag	ggaagtattt	ctgctgagcc	169882047
ttactgtctt	cttgtgtcca	gtaaggttag	taatattgac	cacattggct	169882097
ctttgggaag	aggatggaaa	ataaagtgtg	aatggagcga	gggagggaat	169882147
ttgtctccga	ggcagcacag	gacaggaggt	aatggaaaga	ccaaagtggg	169882197
ttttggatta	gagctgcctg	cagcctttat	ctgtctatgg	agttgattta	169882247
ttattctccc	aaatcttgga	acaaagtcaa	gaaagggagg	aaggaaggga	169882297
gagagatggg	taataagagt	atggaagaaa	atgtaaacad	gtagagtgcg	169882347
gacagcggtc	gcctgcccct	agcaagccct	ccgcagaggg	agaattaatt	169882397
ggctgtgtgc	atttgtattg	ttgtgattgt	tcttattggt	gaaagatgta	169882447
gaagagaaat	caggtagaaa	gaattcaagc	aaagacaggg	ggtgagcgaa	169882497

FIG. 1L3

Docket No.: 2345.2049-005
Title: Human Type II Diabetes.....
Inventors: Inga Reynisdottir *et al.*
Replacement Sheet

agcatgaaga	aatgaacaga	atctgggctg	aatttcttta	aggttataaa	169882547
gcactctatg	caatctgagg	caggcagtc	ccaagcttct	agtaccaccc	169882597
tgcgactcta	cgtgtcaaac	aggaggagtt	ccttaaagg	tgtttggtgt	169882647
gtgcatgtgt	gtagagggat	gaagcatgta	tacctctttg	tatacatcag	169882697
acactgtgct	gggcactgcc	cttaaattat	ctcacttaat	tgtcacacag	169882747
tcctatgaag	cagatgctgt	tattgtctca	gttttagaga	caagaaaact	169882797
gaagctcaga	gaaaagaagt	gatgaccagc	ccaaggtcac	atagctgcta	169882847
agtgaggga	cagcatcaga	acccaggccc	gtctgtgccc	ttaggctctca	169882897
gagattctac	acctactacc	tagtattagc	tcaatctgac	ccttggggaa	169882947
attaagcccc	aggaaagctg	tttccttcag	ttgcgcagcc	aacttgaagc	169882997
aatggtagac	tgaatcccag	ttctgactgc	cagctccaca	gtccctccct	169883047
ggggcctcgc	acatcattgg	aactgacaac	acaagaatct	tccatctcct	169883097
tccttctctt	cctccttttc	ttggctgtca	tccaaaactt	taggggaatg	169883147
cattataaac	caacttgaga	gacagagaaa	ggctgtagga	agatccaact	169883197
caaaaacatt	ttgggtgttg	ctttacctcc	gcctgagcgt	ccctggagat	169883247
aaaccctcct	cactctcgcc	caccattgct	ctgctatgtc	aatttcagca	169883297
gccggactct	ggggctgaca	tgcattgccc	cttctcaacc	cagacaccac	169883347
ttccttcagg	gaaggctcca	cataatggtg	aagtgcacag	actcagaagc	169883397
cgggcagtg	tggtcagaac	ctggttctgc	ctttctcg	cgtgtggcct	169883447
tggataagtc	atctactctc	tatgagcctc	agatccttcg	tctgcaaac	169883497
agagctaagt	cctcccttct	tgggttgctg	tggggcttaa	ttgagaaggt	169883547
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tgggttgtaa	cagtgtgagc	ccatgggtct	caggcaacag	acttgataaa	169883647
tacaggttcc	tctgcaacca	caatcctagt	ccttagcaca	agcatgacac	169883697
tgcctggcat	gtgctatccc	tcccatatcc	atcagccatg	gcagacacag	169883747
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aactcctctt	ccagagtga	agaccatttc	agtcttttgt	gtgctgattt	169884047
gtagaaatca	ttgaactttc	agaatcccat	ttgcaatgtc	atgtctgtgg	169884097
ctggggatct	ccaagtaaca	tcagcttacg	tctgggaagg	acaaggggaa	169884147
tcaaagttag	aagtcaggag	agcaaaatcc	acacacagca	tgcaccatcg	169884197
gccaccttta	ggagtgaac	aagagatgg	gtttgaatat	aaatttgaag	169884247
tctttccaaa	gatttaacac	tcctttggct	gacaaccata	atctcaagga	169884297
ggtaggccta	ggctagagca	attatacttt	agggtaaccc	tagctgctat	169884347
aacaaataaa	ccccaatatt	gcagtaggct	gaaacataga	attgttttta	169884397
tcattcatat	aacttcttga	tgggccagta	gccttcttcc	atgtagtcac	169884447
tcagggaacct	agcctccttc	catcttggtg	ctcccccaac	cctaaggcat	169884497
cctctacatc	taggtgaaag	gggagcagaa	aatgtggtct	ctggcccagg	169884547
aacaactcta	gtcttgagga	agcacatgat	atagtatgga	gatcacagcc	169884597
aggcctgcca	ccggcagcaa	ttcagggtctg	ggcaccagat	cagctgggtg	169884647
gagtcaccag	tggccaagga	gtctgagccc	aggtactatg	tggatcatct	169884697
gggcatggaa	cagggcagct	caaggaccag	aggtcagctg	gcagggtccg	169884747
caccaagcct	atccagggaa	gccctgccct	gatcatggac	aaggcctgtg	169884797
taatcctgat	gtcagctgct	tccctcccga	ggacagcctg	cagcagatgg	169884847
tcagagcctg	ttgccattaa	acatttgagt	ggttccacca	gcatcccgat	169884897
gagtcctgggt	tcaccaagaa	acattattgt	aatgtgtctc	ccaggcagct	169884947
ctgcctcagg	gagagacaat	gccaggcatg	acaacttcag	cattcttggt	169884997
ctgcatggca	gttgcatttc	tcattgtggt	ttatatgttg	gtcacatgat	169885047
ctgagcta	gggagtat	gcctgacaga	tgagtcctt	ttgctgggtg	169885097

FIG. 1M3

Docket No.: 2345.2049-005
Title: Human Type II Diabetes.....
Inventors: Inga Reynisdottir *et al.*
Replacement Sheet

tgccagcaaa	atcaggcttc	caagccccc	aggctcactg	ccagaggctg	169885147
gggaattcgc	caaggtaa	gccacctgt	gaggtctttg	ggacacagcc	169885197
agcagcctcc	ccagggcacc	attcctgtct	cagcatgagg	cttctctggc	169885247
cagcccaatg	gcattttgga	gccacatcca	caccccacgg	gtctgggtct	169885297
gtttccagct	gcactgggac	attctggcag	attctccctg	atctctgtaa	169885347
ggaagagtac	agcaggaagg	agaggaagca	gaaaaaaatt	ccaatgctta	169885397
gagttttccc	tctaaagagg	acctcctgag	ccacttctga	acaggacttg	169885447
gaacaaagga	atcttggcgc	tttgatgatc	gtgtctgcag	cagttgttga	169885497
aatgagtctg	acactcgcca	gtgccttagt	aggaattata	attacatcag	169885547
gagacccag	gcaaccaagt	aaactgatta	gctactgctc	cgagttgata	169885597
gatttttttc	tctctaggtc	ataaataggg	ctgtgggaga	tggtggaagc	169885647
atgctgggtg	gaacaggctc	agatgggctg	tacattcagg	aagcccaacc	169885697
aagtgggtgtg	ggcagctccc	cctgccccac	cctgccaccg	gaagagacag	169885747
tctgacaggt	gcccagagta	gagttcagtt	ccctcgcca	gggactgcac	169885797
tcctgatctt	gcgtgctgca	gagagctgtc	ctcagagcag	gctgagggtg	169885847
gctgaactgc	taggcgatgc	tctgggaagc	cctccgccag	gaaagccgat	169885897
gctttctgcc	aggcataatt	attgcatgga	taattacacg	attcagagcc	169885947
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ctgcagccag	tggctgatcc	tcagagtcga	ctttgaaaga	agagggtaat	169886047
cattcctcct	cctaagactc	ctacctggct	gggccaggac	atggcaaacg	169886097
taaagctaag	ggaggcgggg	agttgatgag	ttctctcctc	caccactcc	169886147
cttacaggag	ggggtcccca	gagttctgac	ctaataccctc	ttctttactc	169886197
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gctgggcac	tcctcacgt	gtctcctcca	gccattgca	ctccagcctg	169886347
agccattctc	ctcctacccc	agtctgcctc	tcagtcata	ttctcttccc	169886397
agccagatct	acctaacctc	ccagacctcc	actaggaacc	caggagtcct	169886447
aacctgctag	tcctttccca	ctccctgtgc	accatccgaa	gccaggtcac	169886497
gtcagttcta	cagcagatgt	gtcttggtc	ctgcctgttc	tcccagcacc	169886547
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ggctttcttg	tgggtggcctc	ctccctggcc	tccccaccct	catcccctgg	169886647
ggaccagcct	cccactgcct	ccagatccaa	tgtcttccag	taaatctgtc	169886697
tacacattcc	caagggttga	gtccttccat	ggtttccttc	actctcagca	169886747
ccaacttg	cccttctgac	tgtcctgaag	acccttccca	agctgccaac	169886797
gctccagcac	tgcattccct	gccctgcttg	tgacacccaa	ccctatcaga	169886847
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gaccaggac	aagtcacttg	gcccctctgt	tattctttct	tcccatctat	169887047
aatgtagaaa	taatagtaat	aacagaacct	atccatgggg	ttgttgggag	169887097
gattcaatga	catattcatg	taaaagactc	agagcatgac	cagtgcacag	169887147
tggccatctt	atcaagtgcc	tgtgcctgt	cccaagatgg	aaacacaaaa	169887197
tgtgaaatcc	aagtgtgggt	ggtggagggg	tggatatggg	cggggcgggg	169887247
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gttcttggtt	ctgaggccc	gctgccctgg	catggagcag	acagctccct	169887397
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aaactttgcc	taagatttag	gccctgggct	cagcctgatg	caccctattt	169887647
actgggtgcc	tgctctgaga	ccaggatacg	tggaaagaac	ccacgcctgg	169887697

FIG. 1N3

Docket No.: 2345.2049-005
Title: Human Type II Diabetes.....
Inventors: Inga Reynisdottir *et al.*
Replacement Sheet

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tgcttgggtc	ctcaccctta	ctcccgcact	tagtagccct	tggtgactta	169887847
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acctgcccc	tagagttgtg	tgataagcg	atagaatctg	cattaaagca	169887947
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ggagcctgtg	acctttaccg	ccgtgtgatt	ctctgactca	gactgcagtg	169888197
ttgcagtgcc	agccaaacat	ggtgacaagc	cccttcccag	gcaactgagg	169888247
acaggcagga	gtgttctgga	atcttctcct	ggagtgggag	taagggtggg	169888297
cagagccatg	tgatgctgca	ctgtccacct	ggttgaagga	agtaattcca	169888347
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gtcatgttag	ctgcgcctcc	cacctgcac	cctgggccca	gaaaccacac	169888447
ccctgtgcag	ggcttctgtg	tcagagtcac	cagggaaatg	ggctgctgag	169888497
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cctgtcgggt	tccagtctgg	gcttttctgc	tcttccagg	ccatattgga	169888997
actgcccata	gagggactca	ttcattccca	tacatgtcaa	atatgcactg	169889047
caccagatt	acatccatct	ttaattgaag	acctatcctt	ctgggctttg	169889097
gagatttgct	ggacttgagg	agtcaccaat	acaactcagg	tagtgacatc	169889147
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tgctcagcct	gtcccccactg	atgggacacc	tttgcccaac	ctctcaccca	169889247
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gctcctaagc	agccccagca	tgagactcca	agccatgaag	ctctaataatc	169889747
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aattaaacta	tgtatttgtt	tatttgctaa	cattctgcct	tattacaaaa	169889847
gagacttgag	tcaactaagc	aaataaatgt	ttgcagagct	gaattaaact	169889897
gagacagggt	actggcccag	tagaaaagta	gaaaatacct	gggcttgggc	169889947
atcaggaaga	cctgggtgag	aattctccag	acctgtgcct	tctatggaac	169889997
attaaaaagg	tcactttccc	tctcaaagcc	tcagttagct	cttcaggggc	169890047
tgccaacggc	aattctattgt	gaggacctgg	tgtgtgagcc	aagtgcaccc	169890097
atcagccact	cacagctgca	gcagaaccag	gcagttgagt	ttgacatttg	169890147
ccttttaagc	tagtcacgaa	taatcagaag	acccatggca	ggctgtcact	169890197
agtgattttg	cttaggtaca	aacttgaatg	gtgctccttg	gagttctgat	169890247
gtgggagagt	cactgagctg	gacgttagca	cacacagtta	cacgctcaca	169890297

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ggctcacccc	agcatgcatg	tctcaaaaaca	atatatttttc	ctctattttgt	169890347
ccttgggttt	tcagttacag	caaaagtatt	ttcaaaaacaa	aacaaaatgc	169890397
atcatgatac	aatctcatat	caagtaacat	tcatttgggg	ggacgcactt	169890447
aaattaatat	tttcataagc	ggttgtgtgc	ctgcattttac	agacacacga	169890497
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aacaccatcg	ggtgactgca	aagcactgca	ggccagactt	cagttctgct	169890947
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tgcattggctg	gcatgaggaa	taaacaaaat	ggttgtgtcc	agtgcctggg	169891047
gcatagcaca	gctcaaaaaa	cttagttcat	cctcctgagg	gatcaagaag	169891097
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cattcaactg	ttcaatagtc	ctgggcagtg	ttattgcatg	ggagaccata	169891497
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tccaagagta	gtcaccagca	gccccatatt	tacagcccac	cagctcagca	169891847
acctctgtgg	gaaagagctt	ctcaatagtt	ccaggaaaag	tcccagggct	169891897
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tggggagggtg	tgggaaacca	aggagctctt	accaggagaa	tggatgttgg	169892047
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gtaaagccta	acatcacact	gaggcaccac	ttgccccaaa	ctccagcctg	169892147
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taggactgtg	ctcattgtac	atggaccttc	ttctgaacct	ctgagattgg	169892247
ttctgtttatc	tttattccca	ttttacagat	agccaaccac	aaacttactg	169892297
ggtggagtaa	cagtgttgcc	cagagttaga	gcttataaat	ggcagagttg	169892347
gagtttggac	ctatatataa	cagtctaaact	tcacagggca	gactcttagc	169892397
catcaagcaa	tatgggtcttc	cccagagaatg	tctccccact	tcacccttcc	169892447
aggcctttct	tcttgttgga	ctctagactt	taaatgccct	tctttttact	169892497
tcctgctcac	ttattaaact	cttccttgaa	tgctcctcct	cctgatagtt	169892547
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ccatgccact	gctgactaca	gctgggtgat	ttgtttgtcc	taacccttgg	169892647
agggcagaga	ctaaatttat	tgtttaccac	tctggcacct	agtacactgc	169892697
ctggcacaga	gtaggtgtct	atggctcata	acatgtttat	tgattgttta	169892747
gatggcaaca	cagataaaat	caaaacatgg	aaggttgctg	agactcaaag	169892797
acaggattat	tattgttggg	aatgatctga	tagctaata	gtattatatt	169892847
aataatagtc	aacatgtcag	gtactataat	agaggctttg	cgtaactgct	169892897

FIG. 1P3

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Inventors: Inga Reynisdottir *et al.*
Replacement Sheet

ccttttagtc	ctcccagtaa	tactatgatg	ctgatattac	tcttcccatt	169892947
ttgtagataa	agaaactggg	agtcaaggag	gtgaaatggc	tttcccaaag	169892997
tcttgcatat	aatgtatccg	gactgcaagg	atggggccct	ctggccccct	169893047
caacacccta	tctgcctctc	ataccagggg	acctgcccac	aaggctcagcc	169893097
ccttggaat	cttgccaacc	ttggggctca	aaattcagtt	tatggcttcc	169893147
caagatctac	tggatgcttt	ttctaagttt	ggagaattca	tgacattatg	169893197
aatccttttt	ccccagggtg	ggtattcaaa	ctcagagttc	cagccacgct	169893247
tgcatccagg	gctcagatag	cagagggacc	tgctgaggc	ttgatttaga	169893297
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ataaagagaa	tcagttgagg	atgtggcagc	aaacaggtat	actaggggat	169893747
caacgagggg	aattattatg	atgatgggcc	tttgaaacc	tctgccttct	169893797
acagcagtac	tttgaaactc	ttgtgcacac	agatcaccta	aggatgttgt	169893847
tagcatgcaa	attctgattc	aggagtttgg	ggctgggacc	tgggatcctg	169893897
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aacatcacac	aagacagaag	tgccacttcc	aattgcatga	gataatgaga	169894047
ccaaatcatc	cccgggcaag	cccaccacta	acaattattc	ccatcattgg	169894097
taacatccta	agtcctaagg	tacctggagc	ttcaaattctc	ataattagca	169894147
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gagtggtggt	tgctatttgt	acctgtaact	cagcccaggg	agtgctgaca	169894297
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cctgtcctaa	gccccaccct	tcccagcaaa	ggaaagtagg	cccctgaagc	169894397
agttgtcctg	tcctctagaa	tcctctagaa	tccagctaca	aacatccaag	169894447
tcctgcccc	atcttcccga	tctaactcac	accatttgct	atagtgcact	169894497
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gacctctgag	atccatgtgg	aaggctctag	aaagccttcc	tcaaatttcc	169894647
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tttcaacttc	aagtcctcat	tcttgccaag	gggtagaaat	ggaatcttgg	169894847
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cagtttctgc	tgggtgctttt	gttccttggg	cctcagtctt	ctttctgtgt	169894947
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tggacactca	gctggagggg	agggtcacag	tccctcacag	tcccttctcc	169895347
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caaaggccag	aggagggaat	aatgagggtg	aggtctctct	gaccaagcat	169895497

FIG. 1Q3

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Inventors: Inga Reynisdottir *et al.*
Replacement Sheet

gtagccttcc	ggatctgttg	tgctttccag	gagtccttca	aagctctaag	169895547
cttttgaat	tctgcaagct	caggaaattg	aaaacctttt	ctctcacaac	169895597
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gcacatttaa	acttttaaaa	gtttatttga	acattcagcg	attcacaac	169896647
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ggctcaagtg	atcctcccac	cagagcctct	caaagtgctg	ggattaccag	169897347
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tgcttctcca	acaacaacaa	caatatctag	gtgtgcagtg	agctcccact	169898047
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FIG. 1R3

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Inventors: Inga Reynisdottir *et al.*
Replacement Sheet

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ggagccatgt	ggagcaacag	ttaagggtcat	ggacttgga	gtcaggcagc	169899947
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tgcttccga	cttcagctgt	tcatgacaca	ggcggagact	gcgggcagga	169900197
ggagagtgc	acgaggtgtc	aactcccagg	ctccctccct	gagggttata	169900247
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tcagagagcc	ctgggaggaa	gctactacag	cctttcccat	tttaaagatg	169900647
agaaaactga	ggctctgaga	aggtttcaca	gccagagcta	agcctagagc	169900697

FIG. 1S3

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Inventors: Inga Reynisdottir *et al.*
Replacement Sheet

ccttaatgac	tatcctcatg	ccctctccag	tataggcagg	aggctactga	169900747
gtacacgtgc	ttgaacttcc	aaggcatggt	ctcaagtaga	agtgtcctcc	169900797
tcacaactgc	tctgaggcac	atgccatcgg	aaagctgggc	taataattaa	169900847
acaggggtga	ttttgtcagc	cccacatggc	ctgacaaagc	agaaacacaa	169900897
tggatggtaa	atattctatt	acgaactgta	ttcccaaccc	cctttccaat	169900947
gggggtggtga	gtaggaagcc	tccctatgac	cagtttcttc	cccacagtct	169900997
tgccagctcc	tgttcttctc	atcacaccag	gcttgtggcc	ttgattttgg	169901047
accctgttgg	aatgagggtc	acaagagggt	ctgtctgtcc	acacacacag	169901097
ttgttcctcc	tccttcttcc	ccacctccat	tcttaccat	tctcagtcct	169901147
tattccagac	tcctcccttg	caccagctgt	gtccttggcc	tggggatgca	169901197
taatgagacc	cagatgctgc	ccccaaaact	ctcagtttat	ggactgtcca	169901247
tcttgaagag	atgaccacag	gatgctcaat	gctccagcaa	agaggaatcc	169901297
tgtggttcac	caaaggcaca	caggtctttg	gcacttagag	aaatcatttg	169901347
tcatatgttc	ctctaagtgc	caaaggccctg	tgtgcctgca	gtcatttcatt	169901397
aattgaacca	atattattca	atgagtccat	ttctggccac	tccttctcag	169901447
ctagccttct	ttatgagatt	ttcctccact	gacactccct	gaactgctgc	169901497
tagccccagg	gctctgggct	ggctttctat	tcctccttct	gggggtgtca	169901547
ttcattctct	tggctttaaa	gaccatccat	atgcaatctg	caggtcctat	169901597
gatcatggcc	tccagaatct	gtctcatttc	gtccacatct	catcacctcc	169901647
tgttttctca	ctagcccaag	ccaaactcat	ctctagtcta	cactattgca	169901697
gacatttcag	gattgcctca	ttgccagcaa	atttgcctcc	tacaagtac	169901747
tattaattca	tatgtcgggt	tgtcacttcc	tggttttact	tcaggtttta	169901797
ataagcctga	agggaaacac	ttgttttcat	tccccagcat	gaaactggga	169901847
catttcctct	ggtccttga	gtgaaatcca	cactcccaac	cacagacttc	169901897
aaggccgcac	ctgctctgac	cctgctgacc	tcccatcttt	caccactggc	169901947
tgtggcttcc	ttgcactttt	gcaacaccaa	gctttttcct	gctttcaacc	169901997
cccagacctg	cccgtgggtt	gcaatttttg	ggcatccgga	tctcagcaaa	169902047
tgtgcctgct	cctcagaaag	gccttcctgg	ccgttctgcc	tgaagaagcc	169902097
cctgtccaca	tcaagggtct	tgcattctcat	caccctgttt	tattttcccc	169902147
atagcgctca	tcccaaccta	aagtatcttg	tgaacgtgct	gctggtctgt	169902197
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ctgcctgttc	accattgtct	ctagcaccta	gaactcaggc	ctggtacagg	169902297
ataggtgctc	aacaagtgtg	taaggacaaa	tgtcaagaag	tacctggggg	169902347
aagtgagggg	ctgaattggg	gggaataggt	tctttggtta	tggcccaaaa	169902397
attgctagaa	gtttaaatgt	gtcttctaag	cccagctctc	tgtgttctca	169902447
aggtcgcaaa	tattaagaac	tcagggtaaa	taaaaatgta	tcctttccag	169902497
tgcttgcatg	cccacactga	aatgagaaaa	gattttttta	ataataataa	169902547
taaaggaacg	atctttcaac	ctgctgctgg	gtctcagcgg	ctccacttgc	169902597
ctgctgtgtg	gatctgacca	gtgcactttc	actgcctggg	tctgggttct	169902647
tctgatgtaa	agtaaggctc	ccagtataag	ctgctttcct	tctagattcc	169902697
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caaggaaaca	gactcaggag	ctttcctggg	ggcatggctc	cctcaaagcc	169902797
tacgtcctgt	agagacagca	gctgctaggc	ttcttggata	gagtgcctgc	169902847
ccccagtgcc	actcctcact	ccaccctgca	aaagtctcaa	aaggatatgtt	169902897
gaggcacagt	aagcaggctg	ctagagccca	gcatacttac	agccctgagg	169902947
ttgtcagaca	atgagcctcg	tgatgagtta	ttgcaccaac	agctgttgcc	169902997
cagccctgct	atgtggatct	tggggacaat	aatttatcca	caattacact	169903047
ggagagcatg	gtgcttctca	ggtaacaggt	ggaaattcac	aagcccacca	169903097
tgtgatgaag	acctgccctt	ccctgaccac	aatgctatga	gtaatgactg	169903147
agaagattgg	gcagcccatc	ctcagtaatg	caggatgcac	tgtggcccat	169903197
gtctgaggca	tctgaaatat	cagaaactcc	agtgggctta	ccatgggtccc	169903247
actcctgcc	taatggttgc	cttacagtgg	ctttttcttc	caaaccaact	169903297

FIG. 1T3

Docket No.: 2345.2049-005
Title: Human Type II Diabetes.....
Inventors: Inga Reynisdottir *et al.*
Replacement Sheet

tgccttcaac	tgcagaaggt	gaggtcccca	aaacaccagt	aggccatagg	169903347
atagtgtgcg	gccggtagaa	taagaacctc	agacacttcc	cacttcccct	169903397
ggtagagaag	gtcttagtgg	ccacaccgaa	aggtaggtgg	aggctaacag	169903447
atctaaggct	gcccagtggt	ccatttctgc	actggatatg	aaatgtgccc	169903497
tctctgagcc	ctctctctgc	ctcagcgatc	tcctctatag	aatgggggta	169903547
tagagataga	caatctcata	tgtgatctta	ggcaagttca	gatctcacag	169903597
tttccaaact	tcagtttctc	cagctatgaa	gtatgagctt	gataatcttg	169903647
gctgtgtgac	tttggaacaag	gcccttccac	tctctgagcc	ttggtttccc	169903697
atctataaaa	tggggccaatg	gtaggggtgg	gaaaaggatg	acctctgagg	169903747
tcccttccat	acagctgcct	ctgattcttc	attgcaagtg	acccagtgtt	169903797
ccatatgacc	catagccatc	tgtctgtcct	ttgtgccagg	cctgaagcat	169903847
tccttttggg	ctgggtcattt	ctcaccgctc	ccccctggag	tctgccccaa	169903897
tcatttctca	gtccttctga	ctgtgaagtg	tctgtctgaa	ctcataatca	169903947
gcttttagct	ggtcccaaac	agtgagtgtc	accagctcca	ttaatcccac	169903997
tgacagggat	ttatctttct	cagctgaatg	aatgatgtct	ccagccttgc	169904047
cccagaaatg	tgggctgggc	tattcaaacac	ttgtcaccag	caagctcttt	169904097
tcctgaggct	gcatactcca	gccacccagg	tgactgagta	ctttgtcatc	169904147
ttcttctcag	agcagtggca	gaaccacaaa	gcaaactccc	acccatgacc	169904197
caccacccca	ccttctgacc	tagtttggat	gctccaagcc	ataatgataa	169904247
agtaatgttg	tgaagaggga	aagaggtttg	cagtcagaca	gcctgaaccc	169904297
aggttctgcc	atgtacaggc	tgaagcttgg	caagcctctg	cacctctctg	169904347
aggtccattt	gcacctctct	gaggtccatt	tgcacatcta	caaaaatgcg	169904397
ataacaccta	cctagcagag	ttcttaggag	atccagataa	caaattgaaa	169904447
acatgccaga	taatgcctgg	cacatttttag	aagcttgaga	tctactactg	169904497
gttctcttcc	agttctccca	tcgtagtaat	atcatctaca	gagcaagatg	169904547
gggaaaatgc	tcactgccag	atccccattct	aaagaggat	ctccatctac	169904597
agatttattg	cacccgggct	cctagccata	cgcccaaaag	tcaaactgaa	169904647
caaccagtaat	aatattttatt	cagccatgtc	acactgaact	gaggacctga	169904697
cttaagcaac	aattcagatc	tgccaacatt	tactaagcac	ctactatgtg	169904747
gcaggccgcg	tcgtgacccc	ctggagagag	aaagatggat	tggaaagtgt	169904797
agcatcaaaa	ttaacagctt	ggtttgggaag	tcagacacac	ctcaggtgaa	169904847
gatatggatt	gagtcataaa	ctccccatgt	ggcactgggc	aggttcatca	169904897
cttgaactct	ctagacctca	gcttttaaat	ctaaaatgtc	ccatagagtt	169904947
gctacaaaaga	ttacatgaga	tatacactta	gcaaagtgcc	tggctcacag	169904997
taattgtcag	aaacagaaaag	tgtcgagact	caaccctgca	tggaaaagaa	169905047
aataggacac	acatactatc	ttagtccatt	caggttgcta	taatagaata	169905097
ccttagattg	ggtaaagtag	tctcccctta	tccacagggg	atatattcca	169905147
agaccccccg	ttggcacctg	aaatcacaga	tagtgccaaa	ccctatatgt	169905197
actatgtttt	tcctatactt	atatacctat	gataaaggct	aatttataaa	169905247
ttaggcatgg	taggagatta	acaacaataa	ctaataataa	aatagaacaa	169905297
ttaccacaat	atagtataat	aaaagttatg	tgaatgtggc	atctctctcg	169905347
ttcactcgct	caaaaatatct	tactgtattg	tacttactta	ttttcaaact	169905397
gcaagtggcc	atgggtaact	gaaactacgg	gaagtgaaac	tgctgattgg	169905447
ggggactact	gtaatttact	ataatttata	aataacagaa	atgtattgca	169905497
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agaagctctg	ttaggcctct	tttgtaaggg	tactgatccc	attcatgagg	169905647
gccctgcctt	cgtgacctaa	tcaccccgca	gatgtccac	ctctcaacac	169905697
cactgcaatg	agtattaagt	ttcaacatat	gaatactggg	ggacatgagc	169905747
gttcacgcct	atgtaaatac	tacacagaaa	gatgtttatc	aggtaaaaga	169905797
aagtagacac	ggacagtcct	catttttcta	agaataattg	gtaccagtac	169905847
aaataccact	taaagagaaa	cttcttaaaa	caaatgttga	ctatttactg	169905897

FIG. 1U3

Docket No.: 2345.2049-005
Title: Human Type II Diabetes.....
Inventors: Inga Reynisdottir *et al.*
Replacement Sheet

tgatagtga	ggaaaaaggt	tggagtaggg	ccaaatcttg	aaaaaataaa	169905947
attgaaagca	caaaaaataag	tctttttttat	tgtctagtaa	caaaatgtag	169905997
gttttagtgt	caaatgagtt	aattttttcc	attaaaaata	ggaattacca	169906047
agtgttgact	ttgggggagg	catggcacat	tttttagaca	aaatcctatc	169906097
ttagcacagt	ctaacagttt	tgattttgtt	tgactttcac	agcacaataa	169906147
ataaagaggg	tcattttgggg	caaataatttc	caagctttat	ccattttccc	169906197
ataggcctct	tccaatcggt	agaagataac	atttttctcc	tttgaagcac	169906247
ctgacaactt	tgtcactttt	ctcttcttcg	gttgctaact	agtttaactc	169906297
tgccagtttc	tcattttgcct	gtagttaaat	gtgaatggaa	aagttatcca	169906347
acaatacttt	tgctattttt	atgaaatcct	gaatctgttt	aaagatttgc	169906397
acttttcctc	ttcatcaatt	tcctttgaat	ttccattaca	tcatcagaca	169906447
tttacaacaa	ccaacaagcc	gaaggaaacc	aatagatcta	ggttaaatga	169906497
gtaaggctag	aaaccagcgt	taatgggagg	taaaacttaa	gcgtgcataa	169906547
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acctgtaata	ccagcacttt	gggaggccga	ggccagcgaa	tcacctgagg	169906747
tcaggagttc	tagaccagcc	taaccatcat	ggcggaaacc	caattttctac	169906797
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gttcagaata	gaaagcttac	taagttgatt	catttaatgg	ttacccttga	169906897
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actgttgggt	ttatttttag	caccttcccta	tttgtttttc	tatttgtact	169907147
atctcttctt	tcttccctta	tttcttcatt	cctgtctttt	caaaaattaa	169907197
gtaaatagtt	tattatttgt	atttttttcc	ttataattggc	ttcttgtttc	169907247
acattcctga	attttgtgca	gtggttaccc	tagaagtttt	aatatatata	169907297
tttagtttat	tatagtgtat	ttttaagtta	agacttttac	ttcttcctga	169907347
acaatgcaag	aacttttaca	cagttaaact	cctgtaccca	cttctttctt	169907397
tttgtgtgtg	tgttaaacat	tttacttctg	catagttata	aatctgataa	169907447
gacattattg	tcatttttaa	cagccaatat	tcttttatac	taacccaa	169907497
atctctcctt	tgtagtgttt	ttcatctcct	cttgcaattt	tgtgtttctg	169907547
gattgataaa	ttttccttca	gcctgaagat	tcttatttgg	tatgtccttt	169907597
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tctgaaaatg	tctttatatt	gtttcatttt	tgcaggattt	tttgtctgtg	169907697
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agatttttct	agagtccatc	agtgtttgtt	gaaaaatcca	ccttattggt	169907797
gcttccttga	aggtaatgtc	ttttttcttt	gttactgctt	ttgagaactt	169907847
ctctttacct	ttgttttcgg	catttttgact	atgatatgtg	tagttatgat	169907897
tttctttgtg	tttaactttt	tggagggtct	ggtgggcttc	ttgaatcaat	169907947
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aaattttgct	tctgccagct	ttctcttctt	gccttctggg	actccaatta	169908047
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cttttaatgt	tcctttctct	tttctctctg	gttttaattg	gaattttacc	169908147
tattgttctg	tctttaagtc	actgacccta	tagtctgcta	tgtccagtct	169908197
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tattaacaga	tactagattt	gagaaggcta	tatgtttttg	ttcattttgc	169908297
ccatcttttt	ctctattctc	tttaacagaa	taaccatagt	caaagtcctg	169908347
tctgatgaat	acaatagctg	ggtcatctat	ggatctgttt	ttattgttag	169908397
ctttcttttt	ctctttgctt	tgcttctttt	ctttctcttt	cttgcttttt	169908447
cacatgcctc	ataattttga	ccataagctg	gacattgtat	gtaaaagaac	169908497

FIG. 1V3

Docket No.: 2345.2049-005
Title: Human Type II Diabetes.....
Inventors: Inga Reynisdottir *et al.*
Replacement Sheet

tgtggaggtt	tcagctgata	cattccacca	gagcagcttc	cccctttcct	169908547
ctgtttggaga	gtcaggggtga	aggctgatga	cctcagctcta	gtcagaaatt	169908597
taagaggatt	gcagtttgag	aaagactgaa	tcgaccacct	ctggcttttc	169908647
ccatttcctt	gtgtggtcct	catggctttg	gctgggagcc	tagctagtct	169908697
ctgtctcctc	agccctaaaa	gcctgaagag	attcagtcct	gctctttaga	169908747
agttttgagc	ttttctggct	atcttcaaaa	tctggcaaatt	atcttgaggg	169908797
gaaaaacagg	gatttatgtc	aggccctttc	tctctctcat	ggaatgttgt	169908847
ctcctaagtc	ccgtgagttt	agcagaaatt	tcattccaac	cttccatcct	169908897
catttcccag	ccacctgagc	tgcatagagc	acttagcagt	gtcctatgcg	169908947
ttaaagccaa	cagtcacttg	gcttcttata	tttcaggctt	ctcttggttc	169908997
caatccatca	tgccagccct	gcacaactgc	caaaagtgtc	gcttggtttc	169909047
tgctttctcc	agtagacaac	ctctgcttgg	gccaatgcca	gtcctcaacc	169909097
cacgtccaga	atcagcagtt	gcccacaggg	aagaaaactg	tcaggagtta	169909147
tcagcctaca	gaggaccac	tttgtcctca	tttccacagc	tttctgatgt	169909197
cttcaaattt	tctatttttg	cggcttttct	tttttttct	taatagtgtg	169909247
tgcagtaggg	gagtcagcct	gccacaatct	actacatctt	acctggaagc	169909297
aataccttat	cttggttattt	ttaagtcaac	aaattagaca	ttattattat	169909347
taatatatac	agcaatatatt	agagtcactc	gcacataaat	attaatttag	169909397
agttaatcac	atatttgctt	tgtattcctt	tttgaatctc	tgactttcta	169909447
tctgtgctaa	ttttccttct	gactaagcca	catcttttag	aatttcctct	169909497
gtgaggacct	gttttattta	ttcaaacata	aaaaatttgt	ttgctctcat	169909547
tcttgaaatg	taatttcact	aagtattcat	ttacagttgg	tcaattgttt	169909597
cctcttgaca	catggaaaat	atcattcctc	tgcctctggc	tttcattgtt	169909647
attgttgaga	agacagatgt	tagcctaatt	gctattttat	tgtagatggg	169909697
ctaacttttc	tctctaacta	cttttaatat	ttctccgtca	caggttgtga	169909747
tgttactttc	atcttctgga	attgttcttc	cacatcttat	catcgtcttc	169909797
cattatttcc	atcttctgtc	ctctagcttg	ttttatttat	aactatctaa	169909847
gagtttacta	attgtctcct	tagttctttg	ctccatctat	atctgtccat	169909897
tgtgacttaa	aatttccttt	ttttaacttt	tattttaagt	ttaggggtac	169909947
atgtgcagga	tgtgcaggtt	tgttgcatag	gtaaatatgt	gtcatggggg	169909997
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tatgcattgt	tcccatctat	gtgtccttgt	gttctcatca	tttagctcac	169910147
acttataagt	gagaacatgt	ggtattcagt	tttctgctcc	tgtgttagtt	169910197
tgctaaggat	aatggcctcc	agctccatcc	atgttcctgc	aaaggacata	169910247
atcccccttt	taatggctgc	atagcatttc	atgggtgtata	tataacctcat	169910297
tttctttatc	ctgtctattg	ctgatggaca	tttaggttga	ttccatatct	169910347
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taatagaata	atttccattc	ttttagggtat	ataccagta	gtgggatttc	169910447
tgggtcgaat	agtatttctg	tctctaggtt	tttgagaaat	ctccacgctg	169910497
tcttccacaa	tgtttgaact	aatttacact	cccaccaaca	gtataacatc	169910547
gctccttttt	ctgcacaacc	tcgccagcat	ctgttatttt	ttgacttttt	169910597
aatagtagcc	attctaactg	gtgtgagatg	gtatctcatt	gtggttttga	169910647
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ttttgccatc	tcatttttctg	tgctaataaaa	aattctaata	tcggaagctt	169910847
taataatcag	attctgctat	ctctttttcc	tgcaagcctt	atctcacagt	169910897
accttgtttt	cttggtgtgtt	ttacaattgt	tgacagtga	tattcttttag	169910947
aactttatcc	ttgataatta	ttagaggaat	gaattaaaaat	ttcacttctc	169910997
cggaaagtac	tgtgtttgca	ccttttaata	actcaagaga	ggtaacaacc	169911047
caagttcatt	ttcaattaaa	attttcatth	gaggtttttc	agaccacaaa	169911097

FIG. 1W3

Docket No.: 2345.2049-005
Title: Human Type II Diabetes.....
Inventors: Inga Reynisdottir *et al.*
Replacement Sheet

cccatgtgag	agctcacata	tggttacaaa	ttcttgaaga	aaatgaggct	169911147
ccttccttcc	ccatccacct	tcctagtacc	aaagtcagga	cagacagggt	169911197
ttctgtgtta	gttcacttct	cattcacctt	tgtattaaag	gtctagctct	169911247
ttgaggttca	agttttatgt	tgggacctct	tcccacttgg	tagggcctgg	169911297
gttttaccta	ctgggtttct	aagcatattt	tgtggttaac	atcagaggcc	169911347
aggagactca	tcagtgtata	attaattctt	gtataactaa	ttatttaaag	169911397
gcagtggacc	tattcactag	caccctgctt	tcggagtcac	tgaattcatg	169911447
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atgctggtac	ctgtagcatg	ggggctgggg	ctggagaagc	caagtagtac	169911547
actagggacc	tcacggtcac	tgtgagggat	gggggtctct	gcttggcttc	169911597
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ctgggatcct	ctcataagaa	gctatatatta	ctctaataaa	aaaaaatctc	169911697
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tttcatccag	agtttcaagg	attaaattcc	taagttcttt	ttaaagcaaa	169911797
gagaagttag	ttccagtcct	aggccatgat	aatgctcttg	gctgagaaaa	169911847
cctccttcgt	ttttttaaaa	tatggattct	gagggtgcaa	gtgcagtttc	169911897
gttatatgga	agtattgcac	agtgatgaag	ccatggcttt	tagtgtaccc	169911947
atcatccata	tagtgtacat	tgtacccaac	aggtaattca	ccatccctca	169911997
acccccctcc	tctgttttaa	ggaactggca	tttatgcaac	taattgataa	169912047
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ggatgatgat	agcaggttta	ctgttgatga	aaccattgaa	cacttgattt	169912147
aaccatttaa	cagtgtttct	gaaagtatgt	tccttgaaac	actagaccat	169912197
gaaaagtcct	ttatgttgaa	atatgcttaa	gaaatattat	atgcttgaaa	169912247
cttctcttgg	aaactcacga	agtatattag	acattaaagg	ctctaagaaa	169912297
tcctgcaata	aagaagccta	tttaatttta	tttgactcgg	tgttttcaaa	169912347
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attgttggat	cacagccgtg	gaacaggccc	cagagctggg	aagttgactg	169912697
ggcagttggc	tgttgatatcc	agcctgggag	atgcaaaaatt	tattgacata	169912747
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gatgacaatg	atggtgatga	tgatggtgat	gatgatggca	atgatgatga	169913147
tgatggtgat	gacaatgatg	gtgatgatga	tgggtgatgac	aatgatggta	169913197
acagtgatga	tgacaatgac	aatactgggtg	atgatgatgg	tgatgacaat	169913247
gatggttaaca	gtgatgatga	taatgacagt	actgatgatg	atgatgatgg	169913297
tgatgatgat	gacaataatg	gtgatgacaa	ggttgatgat	aatggtgggtg	169913347
atggtgatat	tgggtgatggc	aatgatgata	gagtttaatc	tgcaactcct	169913397
tcccttcact	caatgctatg	gccaattggc	caccaagaac	tgtgagtcta	169913447
cttcataagt	aactaactct	taagctcatc	ctttaatttc	tttgaacag	169913497
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tttaagtctg	ggtacaggcg	cactcactca	ctccgtgcac	ttttacactt	169913647
ttatgccttt	tttgtgttct	tctctacttg	tgttttctcc	ttcttgtctt	169913697

FIG. 1X3

Docket No.: 2345.2049-005
Title: Human Type II Diabetes.....
Inventors: Inga Reynisdottir *et al.*
Replacement Sheet

ttagcaagac	atgtactcat	ccttcagggt	ccagctcaat	ggtgagagcc	169913747
tctctggggc	tttggctgat	ctcaccctgg	aatgcactgc	aatgttcctt	169913797
tgcctagggt	cctgcaatgc	tttctccatt	tatctgtata	accctcacca	169913847
cttctaagat	tacgttatta	tctgagtctg	tggtagagga	acataccaca	169913897
tctgacctac	ggttcattgc	cagccccctc	ccagagtggg	acactgaagg	169913947
cacatgggca	actgttgcaa	acgtgcaggg	taaatgcacc	cccatggagt	169913997
gacagctatg	cagaccagag	cccccttctc	ccaggttctg	tggtgcccac	169914047
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tgagtctgaa	agcaaatgtc	attctctttc	cttcaccaca	cagtagcatt	169914147
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tctgagtgtg	tgtatgtgtt	tgagtgtgtg	agcgtgtgtt	gtgtgctgat	169914547
gtgtgtgtga	gtgtgagaga	gaatgtgtgt	gtgtgtgtgt	tcatgccgat	169914597
gttcacgatg	ggctggagg	aggaccagtc	ccctactgcg	tagatcgagg	169914647
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gatccgctgc	tctgacagt	ggcatgggtc	agacaatgac	caagtaaaca	169914947
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caggaggcca	cgaggagg	agtgtggagg	agtgaggggc	tgctttaaat	169915047
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gccagcgaag	gaagtggatt	ctatcctgag	tgcaactgga	ggccactaga	169915297
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gtaagactca	cctcagagga	agggctggcc	tttcattcct	agctgcaatt	169916247
ccttacaagt	aagaaggaga	gggcctcaaa	caggaaacct	ggggtgaaga	169916297

FIG. 1Y3

Docket No.: 2345.2049-005
Title: Human Type II Diabetes.....
Inventors: Inga Reynisdottir *et al.*
Replacement Sheet

ggtgaacctc	agatgcctat	cttgtttaac	cttctgtctc	caggcttagc	169916347
acagtgcctg	gtacagagga	agtcctcagt	aacattgttg	agtgaacgga	169916397
tggatagatg	tgtgtggacc	cgggttcac	cttcacatga	gaaagtccgt	169916447
gagatgttta	catccaactc	aatatctagc	acatacaggt	ggacaaggca	169916497
gaaaggcaat	gtcatggctc	ttgccctcac	actctagggc	ctagactggg	169916547
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tttaaaaatc	gtgtgtatcc	caaagaaaat	attatctaag	ggtgaaatcc	169916747
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ggcccagaat	ggggactggg	ttggtgaaga	ctaagaagaa	tgagaagctc	169916847
cctggagcct	ccgagaggaa	ggtacatttt	gcatgccagc	ttatccggat	169916897
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tattaccaat	agggaaactg	aggctgtaag	tgaggaagct	gcagagtcag	169918047
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aggagcaagt	gctttctccc	ttgctgtgct	gccccaaact	tctttaagga	169918247
ggttaccctc	atctgtcaaa	cagggatgtc	cctgtctgtc	ccacagagtc	169918297
ttcatgaaat	gaactgagat	ggcatatttt	aaagccctgg	gaaaaccgag	169918347
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tgccaaggaa	agcgaatgca	aaggaaacac	caccgaagcc	cagcctggct	169918497
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ccagcctgct	aggaaaacct	ttggcccaact	gcaacaatga	caatcacaac	169918597
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aggggttccc	aaactcaagt	tcttcttgga	ggagctgcaa	gaaatgattt	169918897

FIG. 1Z3

Docket No.: 2345.2049-005
Title: Human Type II Diabetes.....
Inventors: Inga Reynisdottir *et al.*
Replacement Sheet

gaggggtgata	gcaaggaaga	atgcatctga	gatgccaggc	tcaggagatt	169918947
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cctttagggtg	ttgtctgcat	ttcccttccc	tttctggtca	gggaccccag	169919047
ctctctctgc	atggattctc	ctctccagga	ggtggggggt	gggagccgat	169919097
gtcaacaggg	aagaggggca	gaggaacaag	gacagggatg	gggagaggaa	169919147
gaaagaagga	ggtgggatgt	ggcagctggg	cccgaagca	ggctagagcc	169919197
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ccagaacctt	agctgtgatt	aggaaagaca	ggagcacttg	ggaggcccca	169919347
ccttcaatgc	accagagtat	ttctagaccc	tcattctgca	gtcagctcta	169919397
gctgccacat	caggggaattc	ttgctgggtc	gtagcctgga	ttccaattgt	169919447
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gctgtgtgac	cttgaacagg	tcccttagcc	tccctcagca	gtggagtgga	169919597
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tgcatctctc	atgtgcctcc	tgctgtaagc	atttgcctgag	cctcctgctg	169920047
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aggaatctca	tcattttaaac	tgcttttgcc	atctaaggtc	agaaggctta	169920797
aactgagccc	gtaattacat	caagtgcctg	taatcctagc	tacatagaag	169920847
gccgaggtga	gtggatggct	tgagcccaaa	agttcaagac	cagcctgagc	169920897
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gaaattgcc	attgacatat	gggactatat	cttcttagcc	cctagtaaac	169921447
tgagtggcct	caaacaagtc	cctatcacct	cccagggcct	cagtttcttc	169921497

FIG. 1A4

Docket No.: 2345.2049-005
Title: Human Type II Diabetes.....
Inventors: Inga Reynisdottir *et al.*
Replacement Sheet

acctgtgaaa	taagaggatc	aaaaaaagat	aatgttctct	ctgttctctt	169921547
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tcctctgcat	tcttgccag	gctctgagag	ggcattggta	aatgttaact	169922297
gcctggcaat	ggtgatgctg	ttaacctgat	gtgtcagggg	tctgaataaa	169922347
gctgcctcaa	ggtaggcaga	tgcccacaac	caagcaagaa	ctcaaagctg	169922397
caggctcctc	agcctgaacc	ttagacagcg	tcttggtcac	catttcaaca	169922447
ccttgaccac	atttctcact	ctcccaaatt	tcctcctgct	tattcctcat	169922497
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ggggcaggac	agagctcatt	aaaccagcct	accacctgtc	ttccagctcc	169922747
tcctctcagc	ctctgggctt	ccagcagaaa	gcacacgaga	gcattcttgt	169922797
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gtctcctctg	cctttctttg	tcatgtcttt	ctgcttctgt	cctatactgt	169923347
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gggttttttc	ttcccccca	tttccctctc	cttcccact	ccttctctcc	169923447
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attgtggaca	aggaggcat	ccgtgccatc	caacgggcag	gagcccagcc	169923597
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gcatctgtaa	ttaatgtggg	cagtataaaa	ggagctggag	atgtgtttat	169923697
gctccttcga	gggctgagat	gaaacaccca	taacatttaa	tgtggcgcac	169923747
tgacatttaa	atgtcaatta	gaaagtcccc	gctctgcttg	gctggcccct	169923797
gcatcctcag	atgagaccgc	cctcctccct	gccttgccag	ccctgctggg	169923847
accaccagct	cacaaaagac	agtggccaca	cagcaaccgt	gactgaagag	169923897
tgtgcagggt	ccaaagaggc	taaagtggct	ttaagagcac	tccggagggg	169923947
gaggactctt	ggaacagaga	aaggaggagg	atggtgccag	gccaccacca	169923997
aaggcacgtg	gaagggggct	gggcaaattg	tgaaggagca	tgtgggagac	169924047
aagtttagag	gtagcggttg	cttccctctc	tcttccctca	gtacctacag	169924097

FIG. 1B4

Docket No.: 2345.2049-005
Title: Human Type II Diabetes.....
Inventors: Inga Reynisdottir *et al.*
Replacement Sheet

ggcagaatct	agagcttggt	tgtgccttgg	cccttaggcg	ctatgtttct	169924147
gcctctgtgg	ttgatcaccc	tccattagac	caagggttc	ttgagaccag	169924197
gttcccatct	cttcatcaca	caggacgcct	atgcacacac	ggtgcctggc	169924247
acacagtagg	tacacaaggt	agtctattca	gttcaataca	gtatatattc	169924297
gttgagttcc	cactgcgtgg	tgggcattat	cctaggaact	gaggctacaa	169924347
caatgattgg	gactgagacc	tgccccacac	gagtgtacag	atgctcttca	169924397
aattaccatg	gggctacctc	ctgagaaacc	cattgtaaat	caaaaataca	169924447
gaaatcaaaa	acgcatttag	tacccccagt	taatccatca	taaagtcaat	169924497
aaattgtaaa	ttgaaccatt	ctaagtccag	atgctcctta	acatacaatg	169924547
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ccgtcgtaa	tcagggatca	tctgcgttac	atttttaaag	acagacagaa	169924647
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gctcagagac	cacatgactg	catgggggtt	tgcaaccagc	acgtgagctc	169924947
tgtgagggca	agggcctcat	ctgtcttgtc	cactgctgtg	ttcccagagt	169924997
tggggaaagt	gcttgatgtg	tagcaggcac	tcgacaaaca	tttattggat	169925047
gagtaaatga	atgctgtctt	cactggcctc	tcctcccttg	tccagttccc	169925097
aaagctcagt	gggtccccgc	aaatgcattt	attttgcaaa	agcctttccc	169925147
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ctctcagtcc	ctgagctgct	gtgcccacga	catgctccat	tttctcataa	169925247
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tgggaggtat	gtgctagttt	taagggtgtt	tgtttttttt	tttgtttgtt	169926197
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gctgggtttc	aactcctgac	cttgtgatca	gcccgcctga	gcctcccaaa	169926447
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ccatttgggg	catattcagg	aagattccta	tcccaacaca	ccccttcctt	169926547
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ccataaccac	gtcacagtgc	actgtaaaca	cattacgaac	cagctatgca	169926647
ataacaatct	gctgaatctc	agagatgcag	aaagaaatca	ctgggccttc	169926697

FIG. 1C4

Docket No.: 2345.2049-005
Title: Human Type II Diabetes.....
Inventors: Inga Reynisdottir *et al.*
Replacement Sheet

tattgataca	ttcttatggt	atcatttttta	atttctataa	ttatgttttt	169926747
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cgggggcaca	ggaaaaacag	ctcagattcc	tagcttttcc	ccaccttcct	169927097
gatctactga	accacacttt	ctccagggat	gtggcccgtg	atctatatatt	169927147
taagaaaaca	cctcaaataa	cttcccagcc	agggtgtgtg	accacagtgc	169927197
tgggacgtgg	tattgttctt	gccatgggag	gtgggagatt	cttgtccatc	169927247
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gtttgccagg	aatatatttca	gaagcaatta	gataaggat	ttaaatccaa	169928397
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attcaggaga	cctcgtagtc	tacattgata	gatgtaaaca	gcattgggtt	169929197
ctgtcttaga	gagtgggcca	gtgagggaag	catggatcaa	agcaaaaaga	169929247
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FIG. 1D4

Docket No.: 2345.2049-005
Title: Human Type II Diabetes.....
Inventors: Inga Reynisdottir *et al.*
Replacement Sheet

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aaaaggagga	aaacaagcac	gaggaattag	gaagaaggaa	gatattggcat	169929447
ggagtaccac	gaacagaaaag	tctgtggcca	gcacctggat	attcagagaa	169929497
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gaatgttagg	caatatttgg	tgacatgttt	aatgagcaca	accagggttaa	169929747
gtatctactc	actgctaata	tctgggtgagc	agggagacca	ggggtgctgc	169929797
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tccaaaatgc	catagtgtcg	ctggggagaa	accctgatct	aaggatgagt	169929897
gagaagggtg	atacaggagg	tgaggagggtc	agaagtcaga	ccaaacatca	169929947
gatgggaagc	taggaggaaa	agaggtcaga	aaaggagtta	tgaaccaaag	169929997
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gctgggctct	aacaatcatc	acagaagcag	caaagatcaa	gaagcaatgg	169930147
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FIG. 1E4

Docket No.: 2345.2049-005
Title: Human Type II Diabetes.....
Inventors: Inga Reynisdottir *et al.*
Replacement Sheet

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ttttcataat	aatcatctta	atcattactg	gcattcaaag	ccatgaagca	169932897
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tcacagcatt	cctcagcctg	ctcaaaagg	ctcaaaggaa	tcgattcaga	169933197
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ccaggctggg	tatcaggttt	taaaattcat	aaccaagtca	actgaaaatc	169933397
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accgaagaat	attccttcaat	atcacaagaa	agtatctttt	ccatcatttt	169934447
tcttgaaaaa	tgcacccctc	ctgatctatc	tttcattttc	tcacatttaa	169934497

FIG. 1F4

Docket No.: 2345.2049-005
Title: Human Type II Diabetes.....
Inventors: Inga Reynisdottir *et al.*
Replacement Sheet

tagagatgtg	aatacagaga	actatatctc	tactataaga	caaatagcac	169934547
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gaggctgctg	cttctcaacc	tcagcctggg	attgcccaag	gaaatgtgaa	169934697
ccagtgcagc	cagatttcct	gacttcaaga	ggagctggaa	atcgactgta	169934747
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acaaacaaaa	acaaaataaa	caagccaaat	gcaacatctg	ctgagaggtt	169934847
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FIG. 1G4

Docket No.: 2345.2049-005
Title: Human Type II Diabetes.....
Inventors: Inga Reynisdottir *et al.*
Replacement Sheet

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FIG. 1H4

Docket No.: 2345.2049-005
Title: Human Type II Diabetes.....
Inventors: Inga Reynisdottir *et al.*
Replacement Sheet

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Inventors: Inga Reynisdottir *et al.*
Replacement Sheet

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tggtcatggt	ttcctgaagt	gctgttgtcc	agaaatattc	tgaggccata	169944047
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cagggtggga	agtgacaacc	tgtgtacca	gggtttggca	gccttgagct	169944147
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ttgcaaaaaga	gattataatg	tgtgataacg	ttgtagtacc	tcacttatta	169944247
aaataattca	aggatccatc	tttgatgggt	aaaccactg	tctatgtctg	169944297
tttgtgttcc	tacaaaggag	aacccaaggc	tgagtaattt	gtaaagaaga	169944347
ggtttatttg	gctcacagtt	ctacagactg	tcaagaagca	tggatccagt	169944397
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caaatatcca	aactatagca	cccacctaac	gaatgcaaaa	gatgtgcagt	169944747
gaccttaagc	cccaacaata	tagagcagat	gacagttgat	atgtagatag	169944797
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FIG. 1J4

Docket No.: 2345.2049-005
Title: Human Type II Diabetes.....
Inventors: Inga Reynisdottir *et al.*
Replacement Sheet

gtaaaatgag	agataatgac	tctctcacia	ggttgccatg	agaaatagag	169944947
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tgataggaag	tattggcttt	ataatattgc	atctaccccc	ttctctctat	169945047
gttagaacct	ttccaggcat	ttaaaagggtg	agcagcaaag	gccacccata	169945097
aatgtgctgc	tagagagcac	ataggtcacc	aatctcagac	tatttggtctg	169945147
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ggagtttccc	aaagtacaca	cccacagtcc	tacaaattgg	ggaagagcca	169945347
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ctaacattct	cccatcctcc	aaagagaaga	aatccacagc	ccagagcaga	169947447
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FIG. 1K4

Docket No.: 2345.2049-005
Title: Human Type II Diabetes.....
Inventors: Inga Reynisdottir *et al.*
Replacement Sheet

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cagctaagaa	gtcgcaaaagc	cagagtcgaa	aatattcaaa	accaaaaaga	169947697
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FIG. 1L4

Docket No.: 2345.2049-005
Title: Human Type II Diabetes.....
Inventors: Inga Reynisdottir *et al.*
Replacement Sheet

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Inventors: Inga Reynisdottir *et al.*
Replacement Sheet

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tcctaattgg	tgtgaagtgt	tttctcattg	tggtttgctt	tgcaggtttt	169954747
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tgtcccatct	actacataaa	ttgagtgtgg	tttgaaatca	gagactactt	169955147
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ataagtggat	gcaagctcaa	ggccacacct	aaagtcccca	ggtgacttga	169955247
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FIG. 1N4

Docket No.: 2345.2049-005
Title: Human Type II Diabetes.....
Inventors: Inga Reynisdottir *et al.*
Replacement Sheet

gagagaaaat	aaattctcag	tggattgttt	agaagatttg	agcaaagacc	169955347
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Replacement Sheet

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FIG. 1P4

Docket No.: 2345.2049-005
Title: Human Type II Diabetes.....
Inventors: Inga Reynisdottir *et al.*
Replacement Sheet

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FIG. 1Q4

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Replacement Sheet

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ggccccgagt	gagccagctg	gatggcagat	cagaaagaga	agtcccgggt	169965547
gcccccaaca	tggctagctc	cttcaggac	caggggctag	gccccagcta	169965597
aggctggtgc	acacagcagg	gcagggggcg	aaggagtggg	atcccaccca	169965647
gggatcccac	ccaccccaaa	cctgcttttcg	gacatctttc	caatgcataa	169965697

FIG. 1R4

Docket No.: 2345.2049-005
Title: Human Type II Diabetes.....
Inventors: Inga Reynisdottir *et al.*
Replacement Sheet

tgtgcagatg	aggccctttg	ataaggacca	aatccctttc	cgttgcttgg	169965747
caacctggct	cacaagtcac	agcaggggaag	taatttacag	gaattcaaag	169965797
tgtcgctgga	ggttctgctg	agctgaattg	ctgcaaagag	gaacctcaat	169965847
ggtccaaatc	acacctctgg	cggggaggag	gggctgaagg	aaaagcttcc	169965897
acttccgtca	cttgagagta	cagagccctg	agctcagact	cagcgatcgt	169965947
tttccattaa	cggatttact	ggttccatgt	tgagctcctg	ctgtgtggca	169965997
ggccctgtgc	tgggagccag	ggacacagtg	acaaacgaga	cagatgccaa	169966047
ccccggatgc	acagagctca	aagagacaga	ggagtaaaca	gggctacaca	169966097
tgtgacaaga	taggctgtgc	acaggggtct	gagcaggacc	cttggggcag	169966147
gaggaggcag	tggagggatg	ggagggtagg	gacgcagtgg	tgaccagcta	169966197
gccagataga	gaacagaggg	tgtcccagca	cagggccaca	caagcaaagg	169966247
cagaggtggg	gagagaagag	cctgccacac	tctcagatca	ccatgtggtt	169966297
gggccagggc	cccagctgag	gctgaggaca	catggagccc	agatccggca	169966347
gggccttgaa	tgccaagtca	gaaagcatct	gaaatttagt	ctacagatga	169966397
tgtgggttat	tgacagccag	gacaggggaat	gacatttgtg	tttcaggaaa	169966447
accactgtct	tcactgttag	ggggtagatt	cagggagaaa	caggaggtgg	169966497
aggggaagaa	actgtgagta	aaggagtctc	tggggtagac	gtgaagtttc	169966547
tgtgaaactg	gagaagaaaa	ctgttgaggc	aagagttgac	aaaacttgaa	169966597
gtaggatgga	gaggaaggga	caagttcccc	tggcatgggtg	acggcccggg	169966647
ggtgggaacc	aggggaagagg	aggggctttg	caggtgtctg	acttgcccaa	169966697
caggtggcgc	catttaccac	gatgggaagg	gccggggaga	agggaggggt	169966747
ccatttctagg	gaaatctcag	gtcctcgcta	ttaggattct	ttcggttgcc	169966797
agtgactgaa	acccagctga	aatggacttg	ggaacatact	ggttcatgac	169966847
atctggtgga	ggtgaggtca	gggtgcactg	gagccctggc	agcccactct	169966897
gatgccagag	cccatgggga	cagcgggtga	tggtggacac	agtagtcctt	169966947
caagggcggg	gatcggagga	acagaagaaa	ggaacagcag	atgcccactt	169966997
gaggctgagc	agaacattta	ggatccttgg	ccccatctca	ttgtgccctt	169967047
tgctgtggct	catctcacac	ttgcagggag	aagccaatgg	atctctgtga	169967097
atggcgaggc	tttgtatgca	taaatgtggg	ccattttgtc	cccaagaatc	169967147
cctggggggtg	aggaagccac	agaaaattga	ggtcctattc	cctgctcact	169967197
cctggtatgt	agtggaagct	ggagagcctt	tgtccaggca	ctgacagcag	169967247
gaggtttcat	gcagagctgc	tcagggcatt	tcccagatct	gtcccacccc	169967297
tgggaactgg	ctcagtggcc	ttgccccacc	agaagactgg	gaactgcacc	169967347
caagacaggt	tcagcccccc	caggagagga	cctgctgggtg	tgcggtgtcca	169967397
cacacagcac	agaagcaagg	aagatctggc	aaacaacctt	caacaaaaaa	169967447
gaggccattt	gcaactggcca	cctgtgctgc	ttctttcctg	agcagacttg	169967497
gttctgagcc	agggggtctc	cctctttccc	tctccagct	caggaaagga	169967547
ctcaggcaca	tgtccaccca	acctgcagga	gagtgtggca	cagcagtga	169967597
aggcctgggc	ttcgcaggcc	aacttgggtt	tgatttttgg	ctctgtgtca	169967647
caggcctcat	gagatgtgct	cacctcttag	ctccctcatt	tcagaatggg	169967697
gatgagaatc	tgccatgccc	ctgcccacca	gccacctgcc	caccctccct	169967747
tatcatgtgc	cccgacctcc	catgggtgct	gctcatctga	gtccctctgt	169967797
cctcactatg	acggctggtc	tgggaacccc	tctggcccta	ctctgcttca	169967847
agaccattta	gcctctgctc	ctgcttccct	atcttcttgc	tatttcccag	169967897
ctgcaatttc	tttgcaagac	agggaaagga	ttggatatac	tcagcccata	169967947
ttaatttttt	tactgtggga	aaatacacat	aacataaaat	gtactatttt	169967997
aaccatttta	aaggatgcaa	ttcagtggca	ttatttacat	tcacaacggc	169968047
atgcagccat	caccactatc	tggttccaga	actttctcat	cacctcagat	169968097
ggaagccccg	tattcactaa	gaagccactc	cccattccca	cctcccccaa	169968147
ctcctggcaa	ccaccaatct	gctttctggt	tctgtggatt	tgccatttct	169968197
ggatatttca	tttaaaggca	tcgtgcaata	tgtggccttt	tgtgcctggc	169968247
ttctttctct	cagcaccatg	ttttagggtc	tatctacgtt	gtagcatggg	169968297

FIG. 1S4

Docket No.: 2345.2049-005
Title: Human Type II Diabetes.....
Inventors: Inga Reynisdottir *et al.*
Replacement Sheet

tcagtacttc	aaccctgttc	tttttttttt	tttttttttt	ttgagatgga	169968347
gtatccctct	gttgctcagg	ctgaagtgca	gtggcacgac	ctcagctccc	169968397
tgtaacctct	gccccctggg	ttcaagtcac	tctcctgcct	cagcctccca	169968447
tgtagctggg	attacaggca	cgtaccacca	cacctggcta	agttttgtat	169968497
ttttagtagc	gacggggttt	tgccatgttg	gccaggctgg	ttttgaactc	169968547
ctgacctcag	gtgatctgcc	cacctcggcc	tctcaaagtg	gtgggattac	169968597
aggcgtgagc	caccacgcct	ggccacttca	tcccttttta	tggctgagta	169968647
acattccatt	gtgtggatat	accacacggt	tttgtttatt	catcagttga	169968697
tgaacctttg	gattgtctca	catttttgacc	attgtgaatc	atgctgctat	169968747
aaatattcat	gtacaagttt	ttattttgaac	acttgtctct	aattcctttg	169968797
ggtatatacc	caggagtggg	atcgttggct	catatggtaa	ctctgtgttt	169968847
aacttattga	gaaactgccc	aacagttttc	cataacagct	gcaccattgt	169968897
acgatccctc	aagcaagggtg	caagggtatc	agtttcccca	catcctcatc	169968947
aatgttcttg	tttttatggt	ccttcocagt	gggtgaggc	tctttttact	169968997
ttttaatcac	caggcagaga	tctctcaacc	aactataaaa	tgattaaatg	169969047
actgatagcc	tttgtgatca	atcagactgg	ctggagaaca	ggaagatgag	169969097
aggagcctgg	agtccctgac	ccagaagggtg	gccatctcaa	atgttttttc	169969147
catcttccag	ggctgtggac	tgggcagttt	gggacccggg	aggggcaggc	169969197
cgtgagacct	gtctagtgca	catgtgcgac	ctcatccgat	cctcatagta	169969247
acacttacta	aaattcttaa	ccattacccc	accagtctat	gtccacacgg	169969297
ccacgctcac	agccgtccct	gcagtgtccc	aggccactc	tcacttgttc	169969347
tttgcagaac	ctcatgatga	atgcagcatc	cactgtttcc	ttcttctgct	169969397
gctctggttc	ccctccaccg	aagcactact	ttgtccaaga	aactgctcct	169969447
tcccaccagg	cagcgcccta	ggctggggcc	aaactagcca	gtatcaacca	169969497
caggcttctg	tcccctggcc	tgagatcaga	ttcttagctg	cacagctgcc	169969547
cctgagagtt	cctttcccca	ggatgtgttc	tcaagcgggc	aatgcctcaa	169969597
gcctcctggt	gaggctagag	gaaggaccac	ctcctgttca	ccagcatgca	169969647
cagactagac	aggacggctc	cgtctgtcgc	gcttctgttg	gtctctcatg	169969697
cccaagggtg	tggctctggg	atcagcctgc	cctggttcgg	atctacttaa	169969747
ttgtcactgt	cactttcagc	tcgttatatta	gcctccagtg	cttccatttt	169969797
ctcaggggtg	tagtgggatg	atgaaaacaa	ttcccgtttc	gtagagtagt	169969847
gatgaagagt	aaatgagcta	atcccagtaa	aaagctttaa	ctcctgagcc	169969897
acagtaagt	ctcagtttat	ctaagcatca	ttatcaaaca	taaacaatca	169969947
tttacagagt	gatgaccacc	gtatgtctca	aaccagggc	tgggggcctt	169969997
tctactttct	acagtgaccc	ttagagggtga	gcagtctagc	ccccacttta	169970047
gggataatgt	gacgaggtgc	tgagagggtca	tgatctccca	gcagtgagt	169970097
acagagcctg	aggtgaaccc	caaactctgtc	tgactctaaa	gttcatgctc	169970147
attccaatca	tggcaaagaa	aatgcagtgt	cttctcacga	agggttcac	169970197
cctgcctcct	cagtggctgt	ttcaaggagg	gccctttggt	ttgcccagat	169970247
agactattca	cactgaaagt	gacaatggag	aaactggcca	ggacactcca	169970297
aggtcacaga	gaggtttgtg	gagggtgagat	gagggtctca	gccggcgggg	169970347
agggattccg	gagggcagcg	atccctaagg	tggagccttc	cagccacagg	169970397
atgtgtgacg	agaaagtfff	ccctcttctc	ccctcacagc	ccgcaacaaa	169970447
atctacatgg	cttgccaata	ttcttgagga	atgaatttg	ggggctgtat	169970497
ttgtttccca	tgactgctac	aacaaattac	cacaaactga	gtgggtttaa	169970547
aacaatagac	atftattctc	tcactgccct	gaaggctaga	aggtccagat	169970597
caaggagtga	ggacagaaga	aggtaggcac	tagaacttga	cccagaagcc	169970647
tgtgacacac	acacacccca	catccttctc	cagcccccca	ttatctgtct	169970697
cctaggaaca	aggacaccac	tacattcatt	ccagaaaaga	ccccttttgt	169970747
ctgccagcca	tcctcagagc	cgaaaagcaa	acctttgctg	ctgagagctg	169970797
ctgatagaag	acaggaagc	acagttaaag	gggaacaggc	tcccaactct	169970847
ggggcagcag	atcttttggg	cttcatgtca	tagtattgta	aagacaattg	169970897

FIG. 1T4

Docket No.: 2345.2049-005
Title: Human Type II Diabetes.....
Inventors: Inga Reynisdottir *et al.*
Replacement Sheet

cctaagtcag	acaagatcag	ttgtgtgac	ttggcaattc	actttgtttc	169970947
tctgagcctc	agtttactca	cccataaaat	ggggagaacc	acgtctacct	169970997
gactgactcg	tgatgaagat	gaaattaaca	caaagacaag	gctgggcgca	169971047
gtggctcacg	ccagtaatcc	cagcactttg	ggaggccgag	gcatgtggat	169971097
catctgaggt	caggagtttg	agaccagcct	ggccaacatg	gtaaaacccc	169971147
gtctctacta	aaaatacaaa	aattggccag	gtgtggtgat	gggcaccagt	169971197
aatcccagcg	actcgggagg	ctgaggtagg	agaatcgctt	gaacccggga	169971247
ggcagaggtt	gcagtgagct	gagatgcact	ccagcctggg	cgacagggtg	169971297
aaactgtctc	aaaaaaaaaa	aaaaattaat	gcaaagacaa	aattagtgtg	169971347
ggaaaaccct	ttgctcagag	aatgatggc	cacaaagtca	tattactccc	169971397
cccttactct	gtaaaatctc	ctttgctaga	ggaagagtta	aaagtccaag	169971447
tgggaagcac	agtcccgggc	ggaggcaggg	aaggctatcc	tggctctgag	169971497
tcgggctctg	tctacctgga	ttttgtgcct	ccacgttccc	tttcatcact	169971547
ctccaacagg	gagatgtctg	tctcccctca	gtgtgatagt	aatataatgg	169971597
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ctattttatt	attttttgcc	tgataataat	tataataatc	acttgcattt	169971847
attgagttgt	ctgtgtcagg	caccgggcta	ggcacttcac	tgcatgagtt	169971897
atcgcaagca	atctttccaa	agggattagg	aagcaggagt	tattttacag	169971947
atgaggaaac	tcatgcatag	agaggttgag	tgtgacgctc	atgttagcct	169971997
aacatgagga	tccaagagct	tatccattta	ctcagacttt	ttgattattt	169972047
tttgtgcaat	ttcacagact	tttggtgatg	cataaaattt	ttttagagta	169972097
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ggcaacatag	cgagacctca	ctaaaaataa	aacaaaaaat	aaaaataata	169972247
caaaaaatta	gccaagcatg	gtggcacact	cctgtagtcc	caactacttg	169972297
ggagactgag	gcaggaagat	gtcttaagcc	cagaaattcg	aggttgcagt	169972347
gagctataat	cacaccactg	cactccagcc	tggatgacag	aacaagatcc	169972397
tgtctctaaa	aacaaacaaa	caaataaaca	aatactactt	tgctcattca	169972447
tttaagtcag	taaattgtga	caaattgaaa	aatgcaagaa	aaaaaaggaa	169972497
gctggacata	aagctagaat	ggaaaatgca	tgagctcttg	ctgggggtgg	169972547
tcctaatttg	gcttttagct	tcctagcagc	ccttgcaaag	aagaaaacaa	169972597
gatctgttag	gtaaatctct	atagcagtgg	ttcccaagac	atggtctcct	169972647
gaccagcagt	atcagcacta	cctgggaacc	tgtagatttg	tcctctcca	169972697
ccctcgaatc	tgggagtcag	gcccaggcat	ctggtttaac	gagcccccta	169972747
ggtgatgatg	atacatgctg	aggagtacga	accacttatg	ttagaataaa	169972797
tacacaccag	cttctaacad	tgatatcgca	gagaaatttc	tgcatgacac	169972847
agtgagctat	tatattgacc	aaatccccat	tataaacacc	atcatgtact	169972897
taataggcct	ttttcttaac	ttcctactta	gcatacactc	atgaaacctt	169972947
ctcaaggcac	agcttaatga	aattagttcc	agaggcacca	agctatgtca	169972997
cccagacaca	cagcatgatg	ggctgggttc	atgctcatgc	acacttctga	169973047
gtagtgaaag	cctggagaat	atcccagcat	tgctgttaga	agccaggact	169973097
ctggagccag	gctgacccaa	atttgaatct	taggtgcacc	tttcattaac	169973147
tgagtgcact	tggccaattc	ccttaattcc	ctccctctgc	ctcagtttct	169973197
tcatgtataa	gaggaaaatg	actattttat	gtattccatg	gagttgctgt	169973247
aaaaattcaa	tgggctaaca	gaccgtatgc	ttagtatggg	gcttagtatg	169973297
ctaagtgaat	cttataaatg	ttcccacgat	tatgaactgc	tagagtgtgt	169973347
ttcctgtagg	taaacctcca	agccatcaaa	cctatgtcca	tgtctcctgc	169973397
caccatctgt	ctgggatgat	tattgttcag	atgcatattc	caaacttact	169973447
gagtacctag	tatgtgcggg	gttctttcac	ttatatcatt	tgcttttaaa	169973497

FIG. 1U4

Docket No.: 2345.2049-005
Title: Human Type II Diabetes.....
Inventors: Inga Reynisdottir *et al.*
Replacement Sheet

cagctctgca	ctgtagttat	tattacccat	tttctgcac	aggaaactga	169973547
gttcccccca	aaatgaactg	actttttcaaa	agtcacacag	gtattaagtg	169973597
ccaaagccag	gatttgattc	caggccttct	ggcttgacag	tggcactcaa	169973647
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gctcattttct	ctcccctggg	ccccacagca	tcttcgaaag	gtgaggtcaa	169973947
ttcccatgaa	aagtaccaca	ctacgaagtg	cagccaaggt	ccagaggggt	169973997
atggcagaga	gcttaggggt	aattgattag	agcaggaaaa	ggtcagaaga	169974047
tgtggaatca	tccacatagc	ccttgcaagg	aggtatcaca	tacatccact	169974097
cagggtcgaa	gacacagaca	gcatgtgtct	ctctagcctt	ccctctctcc	169974147
tggagtccat	agccttggtc	gcctgccagg	aaccgggcac	accacacctc	169974197
caacacctcc	caagcccact	ccaccttcc	caaagggtaa	cctcttcctg	169974247
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cagtggggct	gggaaggaca	gagagagaag	ggagaatcgc	tactgaatga	169974397
cagtctacca	cacctattgt	gcaaagtgtc	ggaagggagg	atttgttcat	169974447
tcattctgtt	aatatatatt	aactgaacac	gagccaggca	ctggcctagg	169974497
tgctgaatat	gcagcagtga	atgaaataga	cagaagtact	tttctctcctg	169974547
gagttcatgt	tcaagtgaat	aatggcccca	cacctcgatt	aatccacaag	169974597
cacttaactg	tctaccctgt	caggtttcca	tatgtgccag	acacatcatg	169974647
tccacaagag	attctctgca	accagcgagc	tcatggccca	cggggaaacc	169974697
agacagacag	acacccaatg	acaacattga	aggcttgcac	gcacgagggg	169974747
ccagaaaaca	ccccacatgg	agtgggtccc	actctaggcc	actctcccat	169974797
cccttccctt	ttccaaattt	cctccctagc	cacatgcctt	ggtttccagg	169974847
gccagccagc	tgtgcaaaat	gcctagcaag	ctctcagcag	gcccctgctg	169974897
ggcacagcac	agagaaatta	agtgcatta	gcgtaactaa	gccatcacca	169974947
gtaagaggca	cttgctctcc	tggcggctcc	ctttcggaga	ctaattggga	169974997
tgactagaga	ggaggatcca	gagcctatgg	ctgaaacctc	atcaacagct	169975047
tgggagagtg	acagccagcc	agtcttctgc	ccgcaggctg	aagaggcagt	169975097
gcttcccagg	gtgagccaga	ggtcagggaat	cagaaggcct	cccagagct	169975147
cgctcccatt	ttcctgagtc	taggaagatg	gagtaaattg	gtttaatgga	169975197
gtggagtccc	gttggtcatgg	tggcaggagg	agaacagacg	gatcgccctg	169975247
ctccagcctg	acaatgtgag	gctgggcttt	tagcaaatgt	ggccggctgt	169975297
aattcagaga	actcaatttg	acccatgctg	tatcttcttt	cagataatgg	169975347
ccgtgtgtcc	tgcccttccc	ccaagtgggg	caggctagaa	acctctagt	169975397
gactcctcac	cccctcccaa	gaccagtc	atctatagg	cccgtggtt	169975447
ccttccccca	ggctctctct	ctctccctg	attgtggcaa	tagcctcctg	169975497
aaggttcctc	tgcgccccag	ggctaagtcc	tggctccatc	cgctcttcac	169975547
atacacacac	ccagcatagc	acatttttct	agaactcaca	cctgaacgtg	169975597
cctctcctct	gttgaagaca	tccccagaag	ctgatccctt	tgttcccaat	169975647
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cctcatctcg	cctcccaccg	gttttgcatg	gatccctgcc	actacctgtg	169975797
tgtgtccatc	gctccatcca	ttgagcctgt	gaggggaaag	cctattttaat	169975847
tcattgtcac	atcccttccc	tggagacaga	gtaaaatagc	taataattag	169975897
acaaaacatt	aattgagtgc	ttattttatg	tcaagtgtga	tttgaggact	169975947
ttatatgcac	taatttattt	agcttcccaa	aactccatta	ataggtacta	169975997
ttaatgcccc	ctacttgaaa	gattaagcaa	cagaggcatg	aaaataataa	169976047
agtgatatgt	ccaaaactac	acagctaata	agtgagagag	ccaagatttg	169976097

FIG. 1V4

Docket No.: 2345.2049-005
Title: Human Type II Diabetes.....
Inventors: Inga Reynisdottir *et al.*
Replacement Sheet

aacctgaagg	agatgggagg	gagagaaata	gttggggaga	ccacagggaa	169976147
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gaaatgtacc	tttgtatttt	aagtcattga	gatttggggg	ttgttactgt	169976247
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agaagtgtca	gaaaaaaagg	tcatattaga	ccacgaagga	tgacaaagag	169976347
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gaataagttc	aacaagagat	ggccccagct	ccggtgtcta	ctggggagg	169976547
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acacaattgt	tgaggatgtg	tcctcgggg	aggcatggtt	catctggctg	169976647
tgtcaciaag	cagatgggaa	cagctggcga	ggaaggactg	cctgtcctgg	169976697
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tgattccctg	cagatggggc	cattgacagg	atgctactgg	tccgggttgg	169976797
gagaaaagga	atgctgtaaa	cacagtcagc	ccattcggca	ggcagtgga	169976847
gctgtctgag	gcttcagggc	cccctcctca	ctaggggcta	taattcatgc	169976897
agtttcttat	ctgccagatg	gccaggagga	cacatgcatt	ccagtgggtg	169976947
catcttctaa	gtgttggcag	cttgccagtg	atctcaactt	cattttcatc	169976997
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ctcagtttct	ttatgtgtca	aatggcggtt	gacacataaa	gcactaatac	169978347
taatagtact	tacataataa	ggttggtgta	aggattaatt	gagttggtac	169978397
aagtaatgtc	ctggcacgca	tctggcacat	agtgaagtgt	tcctataata	169978447
aacagtagct	gggtttgttg	ttgttttact	attatttttc	ctccagaaaag	169978497
gcgagagttg	catcagcctt	ggaagaggca	ggactgagat	gtttgggaac	169978547
aagaccactt	tcacaggggg	cagccttttt	agaaatgtca	tgtctacttg	169978597
atagggtttt	aaatatggag	tagtggaat	ctgcacattt	ggattcaaat	169978647
cctggcctttt	ccaatggctg	atgatgggaac	ccttataggc	tcaaatcact	169978697

FIG. 1W4

Docket No.: 2345.2049-005
Title: Human Type II Diabetes.....
Inventors: Inga Reynisdottir *et al.*
Replacement Sheet

cacttctctg	agcctcccca	aaaattgaga	ataacagttt	ttattccata	169978747
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actcataact	gttttcttca	tttattttatt	tagtcaacaa	tgttttctga	169978847
gcacctaccc	tggggccaggc	acactgaggt	gggccttggg	attcatcagg	169978897
gatcaaaggg	aaaaggcatc	ccatctccgt	ggagcttcac	atcatcgtag	169978947
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ggccttcagt	ctggagcatg	cttctcattt	tgaataaatt	tcttggtcag	169979047
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FIG. 1X4

Docket No.: 2345.2049-005
Title: Human Type II Diabetes.....
Inventors: Inga Reynisdottir *et al.*
Replacement Sheet

tgacatctgg	tgtgtctctc	actactgttg	agacattata	taatgagagc	169981347
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atggctgccc	ttcctgcttt	ccagggctag	tgtagatcta	agattatagg	169983897

FIG. 1Y4

Docket No.: 2345.2049-005
Title: Human Type II Diabetes.....
Inventors: Inga Reynisdottir *et al.*
Replacement Sheet

ggctgcaacg	ttcctcagt	gagcagatgc	agcaaggtag	taagagaggg	169983947
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FIG. 1Z4

Docket No.: 2345.2049-005
Title: Human Type II Diabetes.....
Inventors: Inga Reynisdottir *et al.*
Replacement Sheet

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tatctttaac	tgtattctct	cgttttcctt	cctctccatt	ttacaatcat	169987047
tttacaacat	ctctggctat	tctcctatat	ttctgatcac	ttcggttctc	169987097
atcacataaa	taatttctagt	tttcaagcat	tggaaagtcc	catccaatta	169987147
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gacctgtctt	ggtgcctcag	ttcttgtgtg	gaggggagga	gaggagagg	169987247
gaggggagga	gaggaaggga	gaccggggag	gtgggggggg	agaggggagg	169987297
ggaggagagg	ggaggggagt	ggggggagaag	gggagaaaag	cgcagctggc	169987347
ttcctcactc	tcctttcctt	cctcaccatc	cttaccctgg	cccagggcag	169987397
gaggaggatt	ggcagagtag	aggcagggtc	ttctgtctta	gctgggcctg	169987447
ttggtgactt	tctgttggcc	aacatgggct	gactggaatg	ttctccagca	169987497
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ggacccctgg	ctgcggcgta	agctaccagc	atcccccttct	catgggcacc	169987997
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tatggaagg	aaggagaaaa	attcacagt	ctatctactc	ctctgaatgc	169988097
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atggggcggt	ggtcacaaaa	tcaatcccac	tttccctcgg	ctagtcttac	169988197
aagcacccaa	cagctctatt	cagaatacag	ggctgccag	ctacttccca	169988247
ttcattatcc	ccaggttgca	agcttttagt	aaaaccaga	ggcagcagg	169988297
tgtctggttc	cacctgctgt	taggatgatt	tcaggagtgc	aaagtgttag	169988347
aaacgcggta	aaacatgatg	cttagagatt	aagtgggatg	gggactgggc	169988397
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gagccactga	gcagtgcctt	gggggatggg	cattgcaggc	aaggcagAAC	169988497
cccaagtggg	aacaacctca	ctgggcttag	caaaactaaa	gaggcccaaa	169988547
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tggaaccaga	ccctgcaggg	ccttgcagg	gatgggaagg	agtttggaag	169988647
gtgctggaag	gtttgaagca	gaggagggat	atgatcatgc	ctgtagctgc	169988697
tatgtagaac	aactgtatgc	atgccaggcc	tgtgccacgc	atgctctaata	169988747
cattactggc	tttaaccctt	gcactaacgt	tgtcatgcag	gtaggagcat	169988797
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caaggctccc	cagctgttag	gtgctaaggc	tggattcaat	ccaggacttg	169988897
cagactccag	tatcttggct	tttctaacga	gagtgtgcta	gctttctaata	169988947
gggggtgggg	aaggcagtct	gccccctcc	catggcaccg	tgagcagggtg	169988997
tcactgctcc	agccagtacg	cctggacacc	gactaggaag	gagtatgtgc	169989047
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FIG. 1A5

Docket No.: 2345.2049-005
Title: Human Type II Diabetes.....
Inventors: Inga Reynisdottir *et al.*
Replacement Sheet

ataatcccag	ctaataatta	tgctggacca	ggggcagaga	cattactcca	169989147
agggtgacca	ggtgtggaga	agaggctgct	gactccgggg	ccccaggacc	169989197
tggcccccag	gtctcattgc	ccgagtgtgt	ccccagaagg	agtagaagct	169989247
ggagctgtcc	gggccacagc	cgaggctggg	tgaatgtctg	agtgaggctg	169989297
ccgcacaagt	tgcgtgttgt	gacatttgtc	ttctggaggg	gattgggatg	169989347
ggctacttca	gcatttaaaa	acccctacta	ggtctgagaa	atcccctcag	169989397
cttatgagcc	tgggtgggca	gcaggccttc	tcaagaagcc	cagaaggcca	169989447
gatgctcact	tcccaggctc	tcttgcggtc	gagctgagag	caggcacctg	169989497
aggcctggca	agtgtgacag	ctggtgacac	agacagacag	ggacagggag	169989547
atgggactgt	gcctgcagcg	gtagccctgg	ccggtgttca	gtggggccag	169989597
catccgtgtc	tttcctgggg	gccagtgggg	gccgtggctc	tgacgatgca	169989647
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cttggcccca	aacaacatga	ggaaaaataa	ataaataatg	tacctggtaa	169989847
ctgagagagt	tccctctgca	tcttgggctc	tttcaatgag	atgtcctctg	169989897
cctgcagcaa	gccccaaagg	cttccctcac	caggaccagc	accctggttt	169989947
gcctgacccc	acacctgcca	atgccggggc	aagaatgtcc	caggctgccc	169989997
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gctaaggaca	gggccagtcc	caagaaaaca	acaaggctcc	agggccaccg	169990097
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ggctcatggg	tgacccccag	gcattctggc	aaggtcacaa	tggctgtttg	169990197
gcttgaagac	agcccttgca	agatctgttt	tgagccaacc	tgtggcattt	169990247
agccctccct	gggtgacaaa	taaaaaggct	gaggcttgta	ggagccaagg	169990297
tgggagtccc	catctacccc	cacctctca	gccaccagg	gccagactg	169990347
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acagccacct	ccatcaccaa	aggctcaggc	aaccacctcc	catggctacc	169990847
cccagcctga	cttgctttat	agaaatcatg	gcattctcat	ctcacaacag	169990897
cccacactca	cagtgaatct	tggccattat	gacaactggg	gacactgagg	169990947
ctcggagtgg	tggaaattct	cagaatcaca	taacaataag	tgttaaagtc	169990997
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gctaggaaca	ctggtttggg	gaaaaaatgt	aataaaatat	gtgatccaga	169991147
aggcggcctt	ggtacctgtc	ataaaccgca	gcatggggta	ctcactatgc	169991197
ctggggctct	ggctctgaag	gcatgattga	atgatctcac	tgaggcctg	169991247
gttgtcctgc	gaagacaccc	gtcaatacat	gaatattgac	acacaacgct	169991297
gcagtgcacg	cgcttctggc	aggggagctg	ctgcactcga	gggcagctca	169991347
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tttggccccc	agccccctga	ggggagctct	ggcgtgcat	gagggtcaga	169991447
cagaaaatct	cctttcctcc	atccaggcct	gcagtctgca	gcactgaggt	169991497
cagcgtggc	cacaagccca	ccctgtgcct	cgtcagcccc	actgagcctc	169991547
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tccgcctctc	cactcccacc	tcgcacatct	atggatttgc	tgttcagaaa	169991647
acatctgttc	cctccttcgc	ccctgacata	cgcctcgatc	tcatgctagc	169991697

FIG. 1B5

Docket No.: 2345.2049-005
Title: Human Type II Diabetes.....
Inventors: Inga Reynisdottir *et al.*
Replacement Sheet

ccagctgcct	aagctcacca	ctctgggaga	cagactctca	gtcctcatca	169991747
gacagagatg	tagggggctg	taagggacgg	gggtgcaggta	gggcctgagg	169991797
attccgacaa	ggtgagccat	gggcaggggc	attgttcatg	cagggacctc	169991847
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aggctaagac	agcaactcag	caggccaagg	gactcctccc	ccaggacctg	169991947
ctccaccctt	agaggggtcc	cggacagcca	agccctgatg	gagttggtca	169991997
gcaaccaacc	agccctgggg	ccaaggcctg	cagaagcaga	gaggaggggt	169992047
ctcaggcagg	ccagaggtgc	tagctgggat	gcctgggtcc	cccaccccac	169992097
cccagcacac	tgtcctttct	ccaggtgctc	agttagattg	agctgggtcc	169992147
catcttgggc	ctttgctggt	ccctcccctag	aaagtctgcc	ccctccccct	169992197
gcagggtggc	atcagcattc	aggcctggcc	ctgacgccct	cctctctggg	169992247
ccaccttcac	ctccacaacc	ccggcaccag	cacccatccc	caccacatcc	169992297
ccagcacgca	gcatctagta	agggcaccaa	atgcatgccc	agacatatga	169992347
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atcccgtctc	cctgcaccag	gctgggcctg	gggtgagggg	gtggggggccg	169992597
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ttaggtaaaa	ggtccctgac	aattttgagg	ggccagatgc	caactcgagg	169992697
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gtgaataaat	ggacggatgg	atggatggat	gcattaggca	gccaagtggg	169992847
cagcaccgat	gacttaatgt	actgagtgtc	ccgactccag	caacatgcat	169992897
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aaacaattgt	acccaagggt	agcaatcaca	gcctctccat	ccacaggga	169993297
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cttgaaggtc	taattccaga	gtacagcatc	acccctatct	tccagggtcca	169993397
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tggtcagggtg	actccaacca	gatgacttcc	ttctctgagc	ttctgttccc	169993647
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aattgcctgg	tacaagagag	agaacttcca	gtgtgtaggg	gctgttgtcc	169993747
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cacacagaat	tgtctcctgc	acagaaggga	agctgtcttc	cacagcacag	169994147
agccaccagg	ccccagactg	ctggcttatg	tatttgtcat	tgctcatcat	169994197
gaatggatgc	caggaaagtc	tctttgtgat	gggggcacaa	cccctcaaat	169994247
ctcctcccct	ccagatgcc	tccactggag	ctgagactcc	caggtcccct	169994297

FIG. 1C5

Docket No.: 2345.2049-005
Title: Human Type II Diabetes.....
Inventors: Inga Reynisdottir *et al.*
Replacement Sheet

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acagcaagcc	ataggtccaa	atcccggccc	ttcacaggga	cattcccaac	169994497
tggtcagggg	tggacctccc	cttcccggct	gtctttgggtg	tccaggacga	169994547
tttgccacag	acagggggag	ctaaaggggc	ccacgcttga	ggccgctcag	169994597
ctctgagtc	tcgcccggcca	cagaggacct	tcgtgcctgt	cctctgtcct	169994647
cctgcccagt	ccccaggcca	ggctcagctg	gagttgggga	gcagaaaaac	169994697
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gagggaaaaat	gaatacccg	gcgagcgagc	aagagagacc	ctcagaaaaac	169994797
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acaggctatt	agtcttctctg	taattaggat	tctcgccctca	aatcttgtat	169994897
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agcaccacaa	cctctctggg	ccgtttgcac	attcttaccg	ccagggatgt	169995147
gggcggtaaa	tgaaagagac	cagcacaaaac	cagtgtcagc	tcccttctc	169995197
gattcctaaa	atgtgatgcc	caaagatggg	ccagcctcct	gctgtgcctt	169995247
ctctgggggg	acatttaata	agtggaagag	ccctggctct	gagtcaggct	169995297
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ggcttgagca	cgggttgaac	ctggaagagg	ccatttccct	cccttctccc	169995547
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agaagtggct	tggagtaaga	cctgaagtgt	gggactggat	atgcagatgt	169995997
ctgggaggag	agcttttctg	gaagaagaat	cagccagtgc	agaggcctat	169996047
ggcagaccca	agcaggaggc	aaaagaaacg	cagaggcttt	ccaggatgga	169996097
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gccagcgga	tttggtgaca	gaccaaagtt	gaggtgagac	agagactccg	169996647
gaatgactgc	aggggtattg	gtctgagcag	ggttattggg	ctgagcagat	169996697
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gatatctaag	tggagagggc	aaggaataaa	atgcttcccta	aactccagca	169996847
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FIG. 1D5

Docket No.: 2345.2049-005
Title: Human Type II Diabetes.....
Inventors: Inga Reynisdottir *et al.*
Replacement Sheet

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caatgctgcc	agactgagaa	ccacacttcg	agtagacca	aagtaggcaa	169997047
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gggagtgtgt	gtgtgtaaag	agggaaagaa	agagcattga	gtcccagacc	169997197
ccaggctctt	caatggtaag	agggtggcag	attaggaagg	accagcaaag	169997247
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FIG. 1E5

Docket No.: 2345.2049-005
Title: Human Type II Diabetes.....
Inventors: Inga Reynisdottir *et al.*
Replacement Sheet

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FIG. 1F5

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Title: Human Type II Diabetes.....
Inventors: Inga Reynisdottir *et al.*
Replacement Sheet

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Replacement Sheet

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FIG. 1K5

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FIG. 1L5

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acacttcccc	agctcctacg	gaaataacct	atcccatccc	ctaagatctg	170020197
caactgttga	gggtaagtgt	ttgggttaaaa	agagtggagc	agactttggc	170020247
gctagtgcaa	aacaagctgc	tgctgtaaga	gtgcatgtgt	gtacctgcag	170020297

FIG. 1M5

Docket No.: 2345.2049-005
Title: Human Type II Diabetes.....
Inventors: Inga Reynisdottir *et al.*
Replacement Sheet

actggtgcaa	tcagatgacc	ttcccaccag	gctgcacagc	actggatgtc	170020347
ctcacagtca	ctcagccact	cagcaaactt	tgactgcaca	gcaacccatg	170020397
ccagacctgc	tgctggactc	caggcatgtt	gagaaatgaa	tataataccc	170020447
aggctatggc	ctcaaaacct	tcaaaaacca	gggcaggaca	cagacaggga	170020497
cacagatgtg	atacctgctg	ggatacagtc	ctcatgaggc	tctctaagag	170020547
gtatctaagc	agggacctag	agggaggagg	tattacctga	gttgaaccta	170020597
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gctacatggt	gtctcagtcc	cttttctgtt	gcttagaaca	ctgaaactag	170020747
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gctgagtga	ctagctcagg	tttctcctaa	aaaccaccca	gtcccactcc	170020947
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tgaggagtta	acatgcacag	ctcagggaat	attctgcttt	ttatctggaa	170022247
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aagctcatct	caaggatatct	ctggctccca	aagaacatag	gacattacca	170022647
acttgaagtt	agcttctcag	gaaactaaga	cccagctgct	tttcaaatcc	170022697
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atgtttctca	ttgatttcca	ttttgaaatt	ggaagtcttt	gccctcaaga	170022847
tataataaaa	accataccaa	agaaaatgga	aaacttttcc	cccttaatat	170022897

FIG. 1N5

Docket No.: 2345.2049-005
Title: Human Type II Diabetes.....
Inventors: Inga Reynisdottir *et al.*
Replacement Sheet

ttaaaggaga	atgattttta	taaaaaaaaa	aaaaaacatt	catttgctta	170022947
cttaaagtaa	atcacagtgc	agtgccagtc	tgggtttgga	gcataacact	170022997
ttttttgatt	tatggtttct	gccaggagac	accagctaa	tgatatttgt	170023047
tcctatgtcc	ttctctgact	agctgggtgg	cagctaaaga	gctaggggtga	170023097
ggggagacca	gaactccagg	cctgtcccat	gttcctgtct	cacccatatg	170023147
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gctgcaattc	aacataaaat	catatcattc	acacctaccc	actcatgcat	170024297
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caagatctat	tggttaaggc	atccaactta	ttgcttaagc	atttcaagga	170025447
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Replacement Sheet

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acatttcctc	ccctacaccc	ctaatacaatc	aaatcctggt	tatcctgccc	170026297
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taaatataac	atctagtagt	gataaatact	ccaaagaaaa	ctaaagcagg	170027347
ggccagagag	catgggggca	ttgatgtttt	agacaagggtg	gtaaaggggag	170027397
gtctctctac	agagggtgta	tttcagcagc	agcccagagca	ctcagttaggt	170027447
ccatggtaaa	atttagttga	ctcccgaact	aactgagtgt	ctcactcagt	170027497
gaaagcctct	aatccatttt	gctagaagtc	tttccctgta	gctcattttg	170027547
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cctatctagc	ttttcaaaac	aaactcttca	ttttagaata	gttttaaatt	170028047
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FIG. 1P5

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Inventors: Inga Reynisdottir *et al.*
Replacement Sheet

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tccttactgt	tggcaccaaa	agatgcttag	gcttgctttg	agcatctcct	170028947
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FIG. 1Q5

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Title: Human Type II Diabetes.....
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Replacement Sheet

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tgctaggaca	aaggaattac	caccagacta	gagtcaggag	tcctgggctg	170030947
gttctgtctgt	atgacacagg	acagggtggct	tgctgtgtct	gggccacagc	170030997
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ttaaagtaaa	agagtgggat	ttaataaata	ttcatTTTTct	ttccccagaa	170032047
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ttacaaagag	cacacatttt	gagaaagtga	aaaacaacat	ctgagcttgg	170032347
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tttgagaaaa	tattacaacc	atactccttg	tctttgtgggt	aatgaagcat	170032447
attaatttga	atgtgatgaa	tacaatatte	cactgacttt	tttattccct	170032497
tatctacaaa	agttttaaatt	aatggacca	ttaaaccagg	agagaagaat	170032547
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caaacagtaa	gtcaaattgg	gcagatgtgg	accagcgag	aacacatact	170032697
atattgagga	tcgaaaggcc	aggttccaga	ccgtcctcta	atattttctt	170032747
agtgaatatt	tgttggatga	atgcatggat	gggtggatga	atagatggat	170032797
ggatggacag	atggacggag	agagagatgg	atgaatggat	tgttggatga	170032847
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cctagaggca	taaactataa	attatagagt	tggcctgagc	tcagtttccc	170033047
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aacccgagta	aggctgagct	tccccagca	ggagctcctg	ctttggaaga	170033147
gaacatcctg	ggccaggcgc	agtggctcac	gcctgtaate	ccagcacttt	170033197
gggaggctga	agcgggtgga	ccgcctgagc	tcaggagttc	aagaccaccc	170033247
tgggcaacat	ggtgaaaccc	catctctact	aaaatacaaa	aatttagcca	170033297

FIG. 1R5

Docket No.: 2345.2049-005
Title: Human Type II Diabetes.....
Inventors: Inga Reynisdottir *et al.*
Replacement Sheet

ggtgtggtga	tgcagcacac	ctgcagtc	agctactcag	gagactgagg	170033347
caggagaatt	gcttgagcct	gggaggtgga	ggttgagctg	agctgagatc	170033397
acaccactgc	actccagcct	gggagacaga	gtgagactct	gtctcaaaaa	170033447
acaaaaaaaa	aaataaaaaa	aaaagaagag	gacatctgga	gcaggcctgt	170033497
gaacctgaca	catggtccag	gtgtctccct	gaggacttct	ggaagtctcc	170033547
ccacctctct	gtggtccttt	aggcattaac	accaccttgt	cactgtgtct	170033597
tctgaggcag	tctggaagtt	cataccccc	aatctctgtg	tacctgttcc	170033647
cccatctctgt	tctctgcatt	gcagatgggt	taaaacacac	acacatacac	170033697
gcgcaaaatg	ttgttccttt	tcttaaaacc	cattgtggcc	aggctagaca	170033747
aatccttaac	acggtctaca	atattctgca	tggcatggcc	cctgggtgcc	170033797
tcccaacctg	atctgtcaca	caccacctcc	acctttgcct	gttccctggg	170033847
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agtattcttc	ctttatggca	ccaatcacgg	cttatatgat	atacttatgc	170034147
tattatttga	gttatgtctg	tctccccag	tatgccacta	gtattagaat	170034197
cattgatttt	taatcattgt	atccctagt	cttagcacag	agcctggctc	170034247
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gctgggagct	tagacagtaa	agcttagatg	gtaaactaca	gttgcctca	170034447
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agaagaaatc	tctctattcc	tcactggagg	cttactaag	gagatattcc	170034597
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agatcacaga	ggcctttcaa	tgacagcaac	atatggcagc	tgacagagaca	170034847
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cagaatccaa	acgcttccaa	aggatgttca	gtgtggctga	ccttgcttat	170035047
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gattaagcag	tgtaatcagc	tgctgctgag	agttgcaaat	gcaataaata	170035147
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cacttactag	ctgtgacctt	ttgcagctta	aacactgagg	ctctattccc	170035897

FIG. 1S5

Docket No.: 2345.2049-005
Title: Human Type II Diabetes.....
Inventors: Inga Reynisdottir *et al.*
Replacement Sheet

gatctgttaa	gtgagagtgg	tgatgatgac	gaccatgaca	gctaataattt	170035947
atggatcgcc	tatttgttta	tctccaacac	aacgatacac	tgacgtaggt	170035997
ctaccatggg	tcctgtttca	cagatgagga	aacttgaagc	ttagcgagct	170036047
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agtatctgtt	ctagctgggt	tcaaagccta	tgctgttaag	tgggctctga	170036147
tactatcttg	tacagttggg	ggaagatttg	agaagacatg	tgtaagggtat	170036197
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ctgaatgtat	cttcctgggc	tgtgtcctcg	cagggagata	taacatctat	170036297
gtcactctca	acgctttatt	aatgtccctg	tcaactctata	cccttgtcca	170036347
agttactcca	caccctccaa	agcctcaagt	ttttaatctg	taaaatggtg	170036397
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ggaaggaagg	aagggaaggaa	ggaaggaagg	aagggaaggga	gggagggagg	170036747
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tgattataaa	tgtgtgtatt	gaattggaat	ttctgttgaa	attctgatcc	170036847
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FIG. 1T5

Docket No.: 2345.2049-005
Title: Human Type II Diabetes.....
Inventors: Inga Reynisdottir *et al.*
Replacement Sheet

gaacttccta	ataggttaaga	ctttttaatc	tatctgcagt	gtccaacagg	170038547
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tacacagtaa	cagcaaagca	gacagtggga	accactactc	tgcccttcttg	170041097

Docket No.: 2345.2049-005
Title: Human Type II Diabetes.....
Inventors: Inga Reynisdottir *et al.*
Replacement Sheet

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FIG. 1W5

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gttgaaataa	attgtaggag	aacatttggc	tcagtgcata	gcctatataa	170054147
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FIG. 1A6

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Inventors: Inga Reynisdottir *et al.*
Replacement Sheet

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FIG. 1B6

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Inventors: Inga Reynisdottir *et al.*
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gaaagtgact	gtgtgtgtct	gtgtaggagg	gtgactttgt	ataggagaga	170059347
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FIG. 1C6

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Replacement Sheet

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cttcaaactc	tttcttgat	gtgagattta	attttcaaag	actcctctga	170063847
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cactgctatc	tcacagttag	aaattcagaa	gggctgggag	ttccaagtca	170063947
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tgccacccac	cactcgtcag	actaaacagc	ctcagagccc	tgtgacctgc	170064047
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ctcaaactat	gcaagtcttc	cagctggccc	tccggttgct	tgccctgget	170064147
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cactcttca	gctgtggagc	tgcgacagga	gcctttgttt	gacttcaaag	170064447
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FIG. 1D6

Docket No.: 2345.2049-005
Title: Human Type II Diabetes.....
Inventors: Inga Reynisdottir *et al.*
Replacement Sheet

tttcttgagc	cttccttcgc	tatcctaata	cagcgccctcc	cgaaatcacc	170064547
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tatggaaata	aaaattaaaa	ataaaaaacag	tgccctcccat	gacccatgtc	170064647
tctccagtc	cataactctg	ctctatttcc	attcacagct	ccatccccac	170064697
ctttatgtct	tttgttcact	gcttttatccc	cagtgcctag	aagagtgcctt	170064747
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gtgaaaagaa	cgtagatta	ctggaaggat	tcactctgagt	ttaattctgc	170064847
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tgtatttagtg	gaatttggtc	cctgacttgt	tatagagaca	caattacaaa	170065197
gacacaagag	tgggcccagc	agagaccctt	aggggtggtcc	cttgagggttc	170065247
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aggatgcctc	ctgaaattgc	tgattcaatt	tctcctaata	aaataggaac	170065347
aataattagc	taataagaaa	tcaacaatta	aagctatgag	agaattaagt	170065397
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gcaaagcaga	tattagacat	cacagaggga	gtgagatacc	gaaaacaaaa	170066447
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ctcacagggg	ttaagcaatg	tgaaagtact	ctgtaaagta	taaggctgaa	170067047
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FIG. 1E6

Docket No.: 2345.2049-005
Title: Human Type II Diabetes.....
Inventors: Inga Reynisdottir *et al.*
Replacement Sheet

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ctagccctgg	ggccccctcca	ggccccactc	ttcacctctt	gttttttatt	170067297
tctcctgcca	tacaaccttc	tttttatttta	aaatagattt	aagcaggata	170067347
gagccccctc	ccccaccatc	aaggctgttt	ccttgtaggt	ggggggatgc	170067397
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gtatcaatca	ggcttttcca	ccctcccca	gagccagttg	tcagatatct	170069047
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attttacttt	tccttttgagc	gattcccttca	acctctctct	gccccttcat	170069297
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caccctgtgt	aatcctctta	tatcccgcag	aaatattgta	gaccactca	170069447
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aaagagttgt	ctactgaaat	acactagctg	gtggcaggat	tgggacgtca	170069647
tttgactaat	tgcctcctag	agctgcagag	actgctggaa	ctacctaagt	170069697

FIG. 1F6

Docket No.: 2345.2049-005
Title: Human Type II Diabetes.....
Inventors: Inga Reynisdottir *et al.*
Replacement Sheet

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gtctactgaa	atacactaaa	tattgaagaa	tttccaagtc	atttgatctt	170070297
gaaaactcca	tctaattgga	gcagaaacac	tcaaagggtt	ttttttttgg	170070347
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aatgtataaa	ttcaatttca	cttaaaagga	gcaggagggg	tttcaagatt	170070447
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gaagactgaa	aaaaatacgt	ggaacactca	gaaaatcttt	atcaaggctc	170070547
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gcctggctgt	aagaatctaa	gacttaaagc	tgaaggacca	aatgggactt	170070697
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FIG. 1G6

Docket No.: 2345.2049-005
Title: Human Type II Diabetes.....
Inventors: Inga Reynisdottir *et al.*
Replacement Sheet

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tggtattttg	tcttgtattt	tatatctctg	ataatggggg	acttggccgg	170074747
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cttttctttt	tctgcatctg	gttactaatc	aagcttaatg	ggggaagaaa	170074847
gaatcaaaaa	cttgtagact	gtaagctcca	agagaacaga	gaacagagct	170074897

FIG. 1H6

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gttttattca	ctgacttgta	cctagtagat	acttcattga	cagttattgg	170074947
gtggagtgg	caaacaaata	atcctacaag	atatgcagtt	tccaatcaca	170074997
aagaagcaga	gagggggaat	gggggcctcc	tgattgtgga	gggtatctta	170075047
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gctcagctcc	agctctgcta	ctgagaggct	cttcgcata	gtcaagctgg	170075297
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gtttagtaaat	atcccaggcc	ttcacactca	ctcaccatca	ctcactgact	170077547
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gcaaagaagt	tattttttaa	gcaaggaaaa	tgttttcata	tggatttatt	170081047
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aaggggagctc	ataaggcggtt	tcccatatgt	gaggctgtac	aagggaaggcc	170081547
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FIG. 1K6

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Replacement Sheet

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FIG. 1L6

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cccaagcgcc	cagaaaggat	taaacagatt	cattctcact	gggtcaccta	170085597
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attaggtggt	ctaggtgctg	gaggtaaaga	ggtgaacaat	cagactaggc	170086247
cccacactgg	agcagcatag	agagatggac	aataaacagg	ccaaaaagga	170086297
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gttccaggca	gaaggaacag	ccactagaga	ggctttgagg	caagatagag	170086447
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aagaatcaga	aaatctgact	agctctgtat	tatttagaga	aattatattc	170086697
acagttaaaa	accattccca	aataaaaatta	taggcccgaga	tggtggactg	170086747
gtgaattcta	atatcaatcc	tacaaaaaaa	ttttagaaaa	tagaggagga	170086797
tggaaacattt	cccagcttgt	tttataagtc	caatagtacc	ctgataccca	170086847
aaccaaaagaa	aaaaaggtct	tatgaaagga	aacaactaca	aaacagtctc	170086897
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tcagcaatat	ataaaaagga	tgatacaata	caactatgtg	agttttattc	170086997
taggaaggca	aggttggttt	aacattcaaa	aaccaatcaa	tataattcac	170087047
tatatttaaa	gaaaccaaag	ggatatagac	tggaaggaa	gaattaacac	170087097
tgtctttatt	tgtacatggt	ataattgtat	taatagaaaa	ccctaagagt	170087147
ctacaaataa	actgctaaaa	ataataagtg	aatttaacaa	agtgaagaca	170087197
tgagttctat	ttacaaaaat	catttataat	tctacatcca	acaagcaacc	170087247
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aaaaattcaa	caaaacaggt	gcaagactca	tacactgaaa	actataaaat	170087347
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tttatagatt	tagtgtgatc	tcaatcaaaa	tcccagcagg	tattttgtag	170087497
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agaacaaagt	tgaaggacta	aacctacctt	acttcaagac	ttaatgaaaa	170087597
tgtgcagtag	tcaagatggt	agggaattgg	cataaggata	gacatataga	170087647
tcaatggatc	aaaatagaga	gtcaaaaaaa	ctaaaagtag	agctaccata	170087697
tgatccaaca	atcccactgc	tggctatata	ccccatgtaa	aggaaaccag	170087747
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atagccaaga	tttggaagca	acctaagtggt	ccatcaacag	atgaatggat	170087847
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FIG. 1M6

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Title: Human Type II Diabetes.....
Inventors: Inga Reynisdottir *et al.*
Replacement Sheet

aatgagattt	aatcatctac	aacgtggatg	gaattggagg	tcattacatt	170087947
aagtgaatg	aaccaggcac	agaaagacaa	acatcccatg	ttctctctta	170087997
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ggttaccaga	ggctgggaag	gatagtaggg	gggctgtggg	ggaagttagg	170088097
atagtcaatg	ggtacaaaaa	aaatagaatg	aatgaataag	gcctgggtatt	170088147
tggtagcaca	acaagggtgac	tgtagtcaat	aattttaattg	aacatttttaa	170088197
ctaaaagagt	gtaattgggt	tgtttgtaac	acaaaggata	aatgcttgaa	170088247
gggatggata	cccatTTTTc	atgatgtgg	tattacacat	tgtatgcctg	170088297
tatcaaaact	tgtcatgtac	cccataaata	tatacaccta	ctatgtgccc	170088347
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cacccatatg	tcaatgcaac	agatgccaaa	aagatcaaaag	gggaaagaac	170088447
cgtgttttca	cagctgtata	tccattttgga	aacaaaaatg	gacattaacc	170088497
ttaacctcat	gccaaacata	aacatcaact	tggaatggat	tatagactta	170088547
aatattaata	caaaagctgt	tttcttaagg	aatacatagg	agaaacattc	170088597
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aatttgactt	tatcaaaagt	aaaaattttg	tgcttttagaa	gacaccttta	170088697
agaaaatgga	aatgcaagcc	atggacttgg	aaaaaatggt	tgcaaattat	170088747
ataccagata	tataaagata	ccaggatacc	aaaccaatat	aaagactggc	170088797
atccaaaata	tataagggac	atttataaatt	taatacaaaag	ataaacaact	170088847
tcatataaaa	taggcaaaag	atttgatgag	atattttaaga	aaagaagata	170088897
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ggaaacattt	tggcatcttt	gataaagctc	agcacacact	taacatacaa	170089147
cccagaaatc	ccattccagt	caggcatggt	ggcttacgcc	tataatccca	170089197
gtactttggg	aggctgaggc	aggcggatga	cttgagctca	ggtgttcaaag	170089247
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aaaaaaaaaa	aaaagccaga	catggtggta	agcacctgtg	gtcccagcta	170089347
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tgaaaatggt	ctatatcttg	agtgtggtgg	aggttacatg	ggtggataca	170089947
tttggtcaaca	ttcatcaaac	agtacactta	aaatgggtga	atttggtata	170089997
agtaaattat	gctccaataa	atttgatttta	tttggtgaaa	aacttggtgt	170090047
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ggatagcttg	agcccaggag	ttcaagcctg	ccctgagcca	taatcactgc	170090447
accacactcc	agcctgggca	acagaacaag	acccttcctc	aaaaaagcaa	170090497

FIG. 1N6

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taaaataaaa	taaagaaatg	cacatgacta	acatagggtt	tattccagga	170090547
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aattttaccat	ttattcataa	taattttcag	gattcaatta	attaggaata	170090697
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tgtaaatgac	atgattttct	atctgagaaa	aaagacagca	agaaaatcaa	170090997
cttaaaacaa	ctagaacttt	taaaaagctg	gcaaagtgc	tggtataaaa	170091047
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aggaaaagca	tcaatggcca	tgtagatgtg	aagggttgt	aaagcacaca	170093147
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aataaatgca	ggagagaagg	tagctcttcc	ttacagaaga	attgtaatta	170093597
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agaaggttat	accatcactt	ctgtggtatt	cttgccagaa	atgcataact	170093847
tcaatctaata	cataactaaa	ccagggtatta	actcaaattg	agagacattc	170093897
tacaaaacaa	ctgacctgta	ctcatatcaa	aagtgtgagg	tcctgaaaga	170093947
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gccactgcac	tccagcctgg	gtgacagagc	aagaacctgt	ctcaaaaaaa	170094247
aaaaaaaaaga	aaaaagaaaa	aaagaatgag	aaactcatac	agattagaag	170094297
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ccacagagcg	agactccgtc	tcaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	170094447
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cccataacaa	ggtaacctac	ccatgagctt	ctgagggatt	taggaattgt	170095147
ctaccatctc	ctctctaaga	agggtcccca	caatatatcc	ccttctgctt	170095197
gcttctaact	ccctatcacc	tgctaaagaa	ggacctcacc	ttttaatcac	170095247
tttcattgcc	aaggggcaca	aggagcccca	aactctgtca	cctaggaaga	170095297
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AGATGATGGA	CATTGTCAAA	GCCATCTATG	ACATGATGGG	GAAATACACA	170095397
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acagatgatc	tccttaagct	gcaagtgtac	atgacagaag	agaacaagaa	170095647
agtatattat	taaacgctag	tggtatagta	tgaactctaa	atccataaaa	170095697

FIG. 1P6

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Replacement Sheet

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gaatatcaag	agttcactct	agttcaacct	cccactttgc	agatgggaaa	170095997
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tcaggaccta	attggagttg	tctggccagt	gaaagacaac	tctcattctc	170096247
agggcaaagt	tgggttaatga	aatgaatgaa	atgagctcca	gctcgttact	170096297
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gggcctgggg	acctgcagaa	ggaaggtgat	gagaaacctg	cacataacctg	170096547
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agttccactc	ctcaacctga	cctgcagttg	gtcttggtta	agcacaagac	170096647
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agttttctcc	atataggaaa	cccattgttg	acatttgctc	accagagtta	170098247
cagagctctc	agggaggaga	ctcagagttc	taaccctctt	gccctccttt	170098297

FIG. 1Q6

Docket No.: 2345.2049-005
Title: Human Type II Diabetes.....
Inventors: Inga Reynisdottir *et al.*
Replacement Sheet

tttcccagGA	CGACAACATC	ATGAGGTCTC	TCCAGCTGTT	TCAAAATGTC	170098347
ATGTAActgg	tgacactcag	ccatttcagct	ctcagagaca	ttgtactaaa	170098397
caaccacctt	aacaccctga	tctgcccttg	ttctgatttt	acacaccaac	170098447
tcttgg					